



PF-0565 USN

<110> INCYTE CORPORATION; HILLMAN, Jennifer L.;
LAL, Preeti G.; TANG, Y. Tom;
CORLEY, Neil C.; GUEGLER, Karl J.;
BAUGHN, Mariah R.; PATTERSON, Chandra S.;
BANDMAN, Olga; AU-YOUNG, Janice K.;
GORGONE, Gina A.; YUE, Henry;
AZIMZAI, Yalda; REDDY, Roopa M.;
LU, Dyung Aina M.; SHIH, Leo L.

<120> HUMAN CELL SURFACE RECEPTORS

<130> PF-0565 USN

<140> To Be Assigned

<141> Herewith

<160> 60

<170> PERL Program

<210> 1

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<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 132240CD1

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Ile	Lys	Glu	Ser	Ser	Phe	Glu	Glu	Ser	Asn	Ile	Glu	Asp	Pro	Leu
				20					25					30
Ile	Val	Thr	Pro	Asp	Cys	Gln	Glu	Lys	Thr	Ser	Pro	Lys	Gly	Val
				35					40					45
Glu	Asn	Pro	Ala	Val	Gln	Glu	Ser	Asn	Gln	Lys	Met	Leu	Gly	Pro
				50					55					60
Pro	Leu	Glu	Val	Leu	Lys	Thr	Leu	Ala	Ser	Lys	Arg	Asn	Ala	Val
				65					70					75
Ala	Phe	Arg	Ser	Phe	Asn	Ser	His	Ile	Asn	Ala	Ser	Asn	Asn	Ser
				80					85					90
Glu	Pro	Ser	Arg	Met	Asn	Met	Thr	Ser	Leu	Asp	Ala	Met	Asp	Ile
				95					100					105
Ser	Cys	Ala	Tyr	Ser	Gly	Ser	Tyr	Pro	Met	Ala	Ile	Thr	Pro	Thr
				110					115					120
Gln	Lys	Arg	Arg	Ser	Cys	Met	Pro	His	Gln	Thr	Pro	Asn	Gln	Ile
				125					130					135
Lys	Ser	Gly	Thr	Pro	Tyr	Arg	Thr	Pro	Lys	Ser	Val	Arg	Arg	Gly
				140					145					150
Val	Ala	Pro	Val	Asp	Asp	Gly	Arg	Ile	Leu	Gly	Thr	Pro	Asp	Tyr
				155					160					165
Leu	Ala	Pro	Glu	Leu	Leu	Leu	Gly	Arg	Ala	His	Gly	Pro	Ala	Val
				170					175					180
Asp	Trp	Trp	Ala	Leu	Gly	Val	Cys	Leu	Phe	Glu	Phe	Leu	Thr	Gly
				185					190					195
Ile	Pro	Pro	Phe	Asn	Asp	Glu	Thr	Pro	Gln	Gln	Val	Phe	Gln	Asn
				200					205					210
Ile	Leu	Lys	Arg	Asp	Ile	Pro	Trp	Pro	Glu	Gly	Glu	Glu	Lys	Leu
				215					220					225

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Ser	Asp	Asn	Ala	Gln	Ser	Ala	Val	Glu	Ile	Leu	Leu	Thr	Ile	Asp
				230					235					240
Asp	Thr	Lys	Arg	Ala	Gly	Met	Lys	Glu	Leu	Lys	Arg	His	Pro	Leu
				245					250					255
Phe	Ser	Asp	Val	Asp	Trp	Glu	Asn	Leu	Gln	His	Gln	Thr	Met	Pro
				260					265					270
Phe	Ile	Pro	Gln	Pro	Asp	Asp	Glu	Thr	Asp	Thr	Ser	Tyr	Phe	Glu
				275					280					285
Ala	Arg	Asn	Thr	Ala	Gln	His	Leu	Thr	Val	Ser	Gly	Phe	Ser	Leu
				290					295					300

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<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2180116CD1

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Ser	Pro	Ser	Arg	Ala	Arg	Gly	Pro	Gly	Gly	Ser	Pro	Gly	Gly	Met
				20					25					30
Gln	Lys	Arg	His	Ala	Arg	Val	Thr	Val	Lys	Tyr	Asp	Arg	Arg	Glu
				35					40					45
Leu	Gln	Arg	Arg	Leu	Asp	Val	Glu	Lys	Trp	Ile	Asp	Gly	Arg	Leu
				50					55					60
Glu	Glu	Leu	Tyr	Arg	Gly	Met	Glu	Ala	Asp	Met	Pro	Asp	Glu	Ile
				65					70					75
Asn	Ile	Asp	Glu	Leu	Leu	Glu	Leu	Glu	Ser	Glu	Glu	Glu	Arg	Ser
				80					85					90
Arg	Lys	Ile	Gln	Gly	Leu	Leu	Lys	Ser	Cys	Gly	Lys	Pro	Val	Glu
				95					100					105
Asp	Phe	Ile	Gln	Glu	Leu	Leu	Ala	Lys	Leu	Gln	Gly	Leu	His	Arg
				110					115					120
Gln	Pro	Gly	Leu	Arg	Gln	Pro	Ser	Pro	Ser	His	Asp	Gly	Ser	Leu
				125					130					135
Ser	Pro	Leu	Gln	Asp	Arg	Ala	Arg	Thr	Ala	His	Pro			
				140					145					

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<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2197671CD1

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Leu	Lys	Ala	Asp	Pro	Glu	Glu	Leu	Phe	Thr	Lys	Leu	Glu	Lys	Ile
				20					25					30
Gly	Lys	Gly	Ser	Phe	Gly	Glu	Val	Phe	Lys	Gly	Ile	Asp	Asn	Arg
				35					40					45

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Thr	Gln	Lys	Val	Val	Ala	Ile	Lys	Ile	Ile	Asp	Leu	Glu	Glu	Ala	
				50					55					60	
Glu	Asp	Glu	Ile	Glu	Asp	Ile	Gln	Gln	Glu	Ile	Thr	Val	Leu	Ser	
				65					70					75	
Gln	Cys	Asp	Ser	Pro	Tyr	Val	Thr	Lys	Tyr	Tyr	Gly	Ser	Tyr	Leu	
				80					85					90	
Lys	Asp	Thr	Lys	Leu	Trp	Ile	Ile	Met	Glu	Tyr	Leu	Gly	Gly	Gly	
				95					100					105	
Ser	Ala	Leu	Asp	Leu	Leu	Glu	Pro	Gly	Arg	Leu	Asp	Glu	Thr	Gln	
				110					115					120	
Ile	Ala	Thr	Ile	Leu	Arg	Glu	Ile	Leu	Lys	Gly	Leu	Asp	Tyr	Leu	
				125					130					135	
His	Ser	Glu	Lys	Lys	Ile	His	Arg	Asp	Ile	Lys	Ala	Ala	Asn	Val	
				140					145					150	
Leu	Leu	Ser	Glu	His	Gly	Glu	Val	Lys	Leu	Ala	Asp	Phe	Gly	Val	
				155					160					165	
Ala	Gly	Gln	Leu	Thr	Asp	Thr	Gln	Ile	Lys	Arg	Asn	Thr	Phe	Val	
				170					175					180	
Gly	Thr	Pro	Phe	Trp	Met	Ala	Pro	Glu	Val	Ile	Lys	Gln	Ser	Ala	
				185					190					195	
Tyr	Asp	Ser	Lys	Ala	Asp	Ile	Trp	Ser	Leu	Gly	Ile	Thr	Ala	Ile	
				200					205					210	
Glu	Leu	Ala	Arg	Gly	Glu	Pro	Pro	His	Ser	Glu	Leu	His	Pro	Met	
				215					220					225	
Lys	Val	Leu	Phe	Leu	Ile	Pro	Lys	Asn	Asn	Pro	Pro	Thr	Leu	Glu	
				230					235					240	
Gly	Asn	Tyr	Ser	Lys	Pro	Leu	Lys	Glu	Phe	Val	Glu	Ala	Cys	Leu	
				245					250					255	
Asn	Lys	Glu	Pro	Ser	Phe	Arg	Pro	Thr	Ala	Lys	Glu	Leu	Leu	Lys	
				260					265					270	
His	Lys	Phe	Ile	Leu	Arg	Asn	Ala	Lys	Lys	Thr	Ser	Tyr	Leu	Thr	
				275					280					285	
Glu	Leu	Ile	Asp	Arg	Tyr	Lys	Arg	Trp	Lys	Ala	Glu	Gln	Ser	His	
				290					295					300	
Asp	Asp	Ser	Ser	Ser	Glu	Asp	Ser	Asp	Ala	Glu	Thr	Asp	Gly	Gln	
				305					310					315	
Ala	Ser	Gly	Gly	Ser	Asp	Ser	Gly	Asp	Trp	Ile	Phe	Thr	Ile	Arg	
				320					325					330	
Glu	Lys	Asp	Pro	Lys	Asn	Leu	Glu	Asn	Gly	Ala	Leu	Gln	Pro	Ser	
				335					340					345	
Asp	Leu	Asp	Arg	Asn	Lys	Met	Lys	Asp	Ile	Pro	Lys	Arg	Pro	Phe	
				350					355					360	
Ser	Gln	Cys	Leu	Ser	Thr	Ile	Ile	Ser	Pro	Leu	Phe	Ala	Glu	Leu	
				365					370					375	
Lys	Glu	Lys	Ser	Gln	Ala	Cys	Gly	Gly	Asn	Leu	Gly	Ser	Ile	Glu	
				380					385					390	
Glu	Leu	Arg	Gly	Ala	Ile	Tyr	Leu	Ala	Glu	Glu	Ala	Cys	Pro	Gly	
				395					400					405	
Ile	Ser	Asp	Thr	Met	Val	Ala	Gln	Leu	Val	Gln	Arg	Leu	Gln	Arg	
				410					415					420	
Tyr	Ser	Leu	Ser	Gly	Gly	Gly	Thr	Ser	Ser	His					
				425					430						

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<212> PRT

<213> Homo sapiens

<220>

PF-0565 USN

<221> misc_feature

<223> Incyte ID No: 2594943CD1

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Gln	Val	Glu	Glu	Ala	Met	Leu	Ala	Val	Leu	His	Thr	Val	Leu	Leu
				20					25					30
His	Arg	Ser	Thr	Gly	Lys	Phe	His	Tyr	Lys	Lys	Glu	Gly	Thr	Tyr
				35					40					45
Ser	Ile	Gly	Thr	Val	Gly	Thr	Gln	Asp	Val	Asp	Cys	Asp	Phe	Ile
				50					55					60
Asp	Phe	Thr	Tyr	Val	Arg	Val	Ser	Ser	Glu	Glu	Leu	Asp	Arg	Ala
				65					70					75
Leu	Arg	Lys	Val	Val	Gly	Glu	Phe	Lys	Asp	Ala	Leu	Arg	Asn	Ser
				80					85					90
Gly	Gly	Asp	Gly	Leu	Gly	Gln	Met	Ser	Leu	Glu	Phe	Tyr	Gln	Lys
				95					100					105
Lys	Lys	Ser	Arg	Trp	Pro	Phe	Ser	Asp	Glu	Cys	Ile	Pro	Trp	Glu
				110					115					120
Val	Trp	Thr	Val	Lys	Val	His	Val	Val	Ala	Leu	Ala	Thr	Glu	Gln
				125					130					135
Glu	Arg	Gln	Ile	Cys	Arg	Glu	Lys	Val	Gly	Glu	Lys	Leu	Cys	Glu
				140					145					150
Lys	Ile	Ile	Asn	Ile	Val	Glu	Val	Met	Asn	Arg	His	Glu	Tyr	Leu
				155					160					165
Pro	Lys	Met	Pro	Thr	Gln	Ser	Glu	Val	Asp	Asn	Val	Phe	Asp	Thr
				170					175					180
Gly	Leu	Arg	Asp	Val	Gln	Pro	Tyr	Leu	Tyr	Lys	Ile	Ser	Phe	Gln
				185					190					195
Ile	Thr	Asp	Ala	Leu	Gly	Thr	Ser	Val	Thr	Thr	Thr	Met	Arg	Arg
				200					205					210
Leu	Ile	Lys	Asp	Thr	Leu	Ala	Leu							
				215										

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<211> 474

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1513871CD1

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Met	Ile	Met	Asn	Lys	Met	Lys	Asn	Phe	Lys	Arg	Arg	Phe	Ser	Leu
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Ser	Val	Pro	Arg	Thr	Glu	Thr	Ile	Glu	Glu	Ser	Leu	Ala	Glu	Phe
				20					25					30
Thr	Glu	Gln	Phe	Asn	Gln	Leu	His	Asn	Arg	Arg	Asn	Glu	Asn	Leu
				35					40					45
Gln	Leu	Gly	Pro	Leu	Gly	Arg	Asp	Pro	Pro	Gln	Glu	Cys	Ser	Thr
				50					55					60
Phe	Ser	Pro	Thr	Asp	Ser	Gly	Glu	Glu	Pro	Gly	Gln	Leu	Ser	Pro
				65					70					75
Gly	Val	Gln	Phe	Gln	Arg	Arg	Gln	Asn	Gln	Arg	Arg	Phe	Ser	Met
				80					85					90
Glu	Asp	Val	Ser	Lys	Arg	Leu	Ser	Leu	Pro	Met	Asp	Ile	Arg	Leu
				95					100					105

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Pro	Gln	Glu	Phe	Leu	Gln	Lys	Leu	Gln	Met	Glu	Ser	Pro	Asp	Leu	110	115	120
Pro	Lys	Pro	Leu	Ser	Arg	Met	Ser	Arg	Arg	Ala	Ser	Leu	Ser	Asp	125	130	135
Ile	Gly	Phe	Gly	Lys	Leu	Glu	Thr	Tyr	Val	Lys	Leu	Asp	Lys	Leu	140	145	150
Gly	Glu	Gly	Thr	Tyr	Ala	Thr	Val	Phe	Lys	Gly	Arg	Ser	Lys	Leu	155	160	165
Thr	Glu	Asn	Leu	Val	Ala	Leu	Lys	Glu	Ile	Arg	Leu	Glu	His	Glu	170	175	180
Glu	Gly	Ala	Pro	Cys	Thr	Ala	Ile	Arg	Glu	Val	Ser	Leu	Leu	Lys	185	190	195
Asn	Leu	Lys	His	Ala	Asn	Ile	Val	Thr	Leu	His	Asp	Leu	Ile	His	200	205	210
Thr	Asp	Arg	Ser	Leu	Thr	Leu	Val	Phe	Glu	Tyr	Leu	Asp	Ser	Asp	215	220	225
Leu	Lys	Gln	Tyr	Leu	Asp	His	Cys	Gly	Asn	Leu	Met	Ser	Met	His	230	235	240
Asn	Val	Lys	Ile	Phe	Met	Phe	Gln	Leu	Leu	Arg	Gly	Leu	Ala	Tyr	245	250	255
Cys	His	His	Arg	Lys	Ile	Leu	His	Arg	Asp	Leu	Lys	Pro	Gln	Asn	260	265	270
Leu	Leu	Ile	Asn	Glu	Arg	Gly	Glu	Leu	Lys	Leu	Ala	Asp	Phe	Gly	275	280	285
Leu	Ala	Arg	Ala	Lys	Ser	Val	Pro	Thr	Lys	Thr	Tyr	Ser	Asn	Glu	290	295	300
Val	Val	Thr	Leu	Trp	Tyr	Arg	Pro	Pro	Asp	Val	Leu	Leu	Gly	Ser	305	310	315
Thr	Glu	Tyr	Ser	Thr	Pro	Ile	Asp	Met	Trp	Gly	Val	Gly	Cys	Ile	320	325	330
His	Tyr	Glu	Met	Ala	Thr	Gly	Arg	Pro	Leu	Phe	Pro	Gly	Ser	Thr	335	340	345
Val	Lys	Glu	Glu	Leu	His	Leu	Ile	Phe	Arg	Leu	Leu	Gly	Thr	Pro	350	355	360
Thr	Glu	Glu	Thr	Trp	Pro	Gly	Val	Thr	Ala	Phe	Ser	Glu	Phe	Arg	365	370	375
Thr	Tyr	Ser	Phe	Pro	Cys	Tyr	Leu	Pro	Gln	Pro	Leu	Ile	Asn	His	380	385	390
Ala	Pro	Arg	Leu	Asp	Thr	Asp	Gly	Ile	His	Leu	Leu	Ser	Ser	Leu	395	400	405
Leu	Leu	Tyr	Glu	Ser	Lys	Ser	Arg	Met	Ser	Ala	Glu	Ala	Ala	Leu	410	415	420
Ser	His	Ser	Tyr	Phe	Arg	Ser	Leu	Gly	Glu	Arg	Val	His	Gln	Leu	425	430	435
Glu	Asp	Thr	Ala	Ser	Ile	Phe	Ser	Leu	Lys	Glu	Ile	Gln	Leu	Gln	440	445	450
Lys	Asp	Pro	Gly	Tyr	Arg	Gly	Leu	Ala	Phe	Gln	Gln	Pro	Gly	Arg	455	460	465
Gly	Lys	Asn	Arg	Arg	Gln	Ser	Ile	Phe							470		

<210> 6

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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 156108CD1

<400> 6

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His	Lys	Leu	Ala	Asp	Leu	Arg	Tyr	Leu	Ser	Arg	Gly	Ala	Ser	Gly
				20					25					30
Thr	Val	Ser	Ser	Ala	Arg	His	Ala	Asp	Trp	Arg	Val	Gln	Val	Ala
				35					40					45
Val	Lys	His	Leu	His	Ile	His	Thr	Pro	Leu	Leu	Asp	Ser	Glu	Arg
				50					55					60
Lys	Asp	Val	Leu	Arg	Glu	Ala	Glu	Ile	Leu	His	Lys	Ala	Arg	Phe
				65					70					75
Ser	Tyr	Ile	Leu	Pro	Ile	Leu	Gly	Ile	Cys	Asn	Glu	Pro	Glu	Phe
				80					85					90
Leu	Gly	Ile	Val	Thr	Glu	Tyr	Met	Pro	Asn	Gly	Ser	Leu	Asn	Glu
				95					100					105
Leu	Leu	His	Arg	Lys	Thr	Glu	Tyr	Pro	Asp	Val	Ala	Trp	Pro	Leu
				110					115					120
Arg	Phe	Arg	Ile	Leu	His	Glu	Ile	Ala	Leu	Gly	Val	Asn	Tyr	Leu
				125					130					135
His	Asn	Met	Thr	Pro	Pro	Leu	Leu	His	His	Asp	Leu	Lys	Thr	Gln
				140					145					150
Asn	Ile	Leu	Leu	Asp	Asn	Glu	Phe	His	Val	Lys	Ile	Ala	Asp	Phe
				155					160					165
Gly	Leu	Ser	Lys	Trp	Arg	Met	Met	Ser	Leu	Ser	Gln	Ser	Arg	Ser
				170					175					180
Ser	Lys	Ser	Ala	Pro	Glu	Gly	Gly	Thr	Ile	Ile	Tyr	Met	Pro	Pro
				185					190					195
Glu	Asn	Tyr	Glu	Pro	Gly	Gln	Lys	Ser	Arg	Ala	Ser	Ile	Lys	His
				200					205					210
Asp	Ile	Tyr	Ser	Tyr	Ala	Val	Ile	Thr	Trp	Glu	Val	Leu	Ser	Arg
				215					220					225
Lys	Gln	Pro	Phe	Glu	Asp	Val	Thr	Asn	Pro	Leu	Gln	Ile	Met	Tyr
				230					235					240
Ser	Val	Ser	Gln	Gly	His	Arg	Pro	Val	Ile	Asn	Glu	Glu	Ser	Leu
				245					250					255
Pro	Tyr	Asp	Ile	Pro	His	Arg	Ala	Arg	Met	Ile	Ser	Leu	Ile	Glu
				260					265					270
Ser	Gly	Trp	Ala	Gln	Asn	Pro	Asp	Glu	Arg	Pro	Ser	Phe	Leu	Lys
				275					280					285
Cys	Leu	Ile	Glu	Leu	Glu	Pro	Val	Leu	Arg	Thr	Phe	Glu	Glu	Ile
				290					295					300
Thr	Phe	Leu	Glu	Ala	Val	Ile	Gln	Leu	Lys	Lys	Thr	Lys	Leu	Gln
				305					310					315
Ser	Val	Ser	Ser	Ala	Ile	His	Leu	Cys	Asp	Lys	Lys	Lys	Met	Glu
				320					325					330
Leu	Ser	Leu	Asn	Ile	Pro	Val	Asn	His	Gly	Pro	Gln	Glu	Glu	Ser
				335					340					345
Cys	Gly	Ser	Ser	Gln	Leu	His	Glu	Asn	Ser	Gly	Ser	Pro	Glu	Thr
				350					355					360
Ser	Arg	Ser	Leu	Pro	Ala	Pro	Gln	Asp	Asn	Asp	Phe	Leu	Ser	Arg
				365					370					375
Lys	Ala	Gln	Asp	Cys	Tyr	Phe	Met	Lys	Leu	His	His	Cys	Pro	Gly
				380					385					390
Asn	His	Ser	Trp	Asp	Ser	Thr	Ile	Ser	Gly	Ser	Gln	Arg	Ala	Ala
				395					400					405
Phe	Cys	Asp	His	Lys	Thr	Thr	Pro	Cys	Ser	Ser	Ala	Ile	Ile	Asn
				410					415					420
Pro	Leu	Ser	Thr	Ala	Gly	Asn	Ser	Glu	Arg	Leu	Gln	Pro	Gly	Ile
				425					430					435

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Ala	Gln	Gln	Trp	Ile	Gln	Ser	Lys	Arg	Glu	Asp	Ile	Val	Asn	Gln	
				440					445					450	
Met	Thr	Glu	Ala	Cys	Leu	Asn	Gln	Ser	Leu	Asp	Ala	Leu	Leu	Ser	
				455					460					465	
Arg	Asp	Leu	Ile	Met	Lys	Glu	Asp	Tyr	Glu	Leu	Val	Ser	Thr	Lys	
				470					475					480	
Pro	Thr	Arg	Thr	Ser	Lys	Val	Arg	Gln	Leu	Leu	Asp	Thr	Thr	Asp	
				485					490					495	
Ile	Gln	Gly	Glu	Glu	Phe	Ala	Lys	Val	Ile	Val	Gln	Lys	Leu	Lys	
				500					505					510	
Asp	Asn	Lys	Gln	Met	Gly	Leu	Gln	Pro	Tyr	Pro	Glu	Ile	Leu	Val	
				515					520					525	
Val	Ser	Arg	Ser	Pro	Ser	Leu	Asn	Leu	Leu	Gln	Asn	Lys	Ser	Met	
				530					535					540	

<210> 7

<211> 454

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2883243CD1

<400> 7

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Ala	Lys	Thr	Asp	Ile	Asn	Cys	Gly	Thr	Asp	Leu	Met	Phe	Tyr	Ile	
				20					25					30	
Glu	Met	Asp	Pro	Pro	Ala	Leu	Pro	Pro	Lys	Pro	Pro	Lys	Pro	Thr	
				35					40					45	
Thr	Val	Ala	Asn	Asn	Gly	Met	Asn	Asn	Asn	Met	Ser	Leu	Gln	Asp	
				50					55					60	
Ala	Glu	Trp	Tyr	Trp	Gly	Asp	Ile	Ser	Arg	Glu	Glu	Val	Asn	Glu	
				65					70					75	
Lys	Leu	Arg	Asp	Thr	Ala	Asp	Gly	Thr	Phe	Leu	Val	Arg	Asp	Ala	
				80					85					90	
Ser	Thr	Lys	Met	His	Gly	Asp	Tyr	Thr	Leu	Thr	Leu	Arg	Lys	Gly	
				95					100					105	
Gly	Asn	Asn	Lys	Leu	Ile	Lys	Ile	Phe	His	Arg	Asp	Gly	Lys	Tyr	
				110					115					120	
Gly	Phe	Ser	Asp	Pro	Leu	Thr	Phe	Ser	Ser	Val	Val	Glu	Leu	Ile	
				125					130					135	
Asn	His	Tyr	Arg	Asn	Glu	Ser	Leu	Ala	Gln	Tyr	Asn	Pro	Lys	Leu	
				140					145					150	
Asp	Val	Lys	Leu	Leu	Tyr	Pro	Val	Ser	Lys	Tyr	Gln	Gln	Asp	Gln	
				155					160					165	
Val	Val	Lys	Glu	Asp	Asn	Ile	Glu	Ala	Val	Gly	Lys	Lys	Leu	His	
				170					175					180	
Glu	Tyr	Asn	Thr	Gln	Phe	Gln	Glu	Lys	Ser	Arg	Glu	Tyr	Asp	Arg	
				185					190					195	
Leu	Tyr	Glu	Glu	Tyr	Thr	Arg	Thr	Ser	Gln	Glu	Ile	Gln	Met	Lys	
				200					205					210	
Arg	Thr	Ala	Ile	Glu	Ala	Phe	Asn	Glu	Thr	Ile	Lys	Ile	Phe	Glu	
				215					220					225	
Glu	Gln	Cys	Gln	Thr	Gln	Glu	Arg	Tyr	Ser	Lys	Glu	Tyr	Ile	Glu	
				230					235					240	
Lys	Phe	Lys	Arg	Glu	Gly	Asn	Glu	Lys	Glu	Ile	Gln	Arg	Ile	Met	

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				245					250					255
His	Asn	Tyr	Asp	Lys	Leu	Lys	Ser	Arg	Ile	Ser	Glu	Ile	Ile	Asp
				260					265					270
Ser	Arg	Arg	Arg	Leu	Glu	Glu	Asp	Leu	Lys	Lys	Gln	Ala	Ala	Glu
				275					280					285
Tyr	Arg	Glu	Ile	Asp	Lys	Arg	Met	Asn	Ser	Ile	Lys	Pro	Asp	Leu
				290					295					300
Ile	Gln	Leu	Arg	Lys	Thr	Arg	Asp	Gln	Tyr	Leu	Met	Trp	Leu	Thr
				305					310					315
Gln	Lys	Gly	Val	Arg	Gln	Lys	Lys	Leu	Asn	Glu	Trp	Leu	Gly	Asn
				320					325					330
Glu	Asn	Thr	Glu	Asp	Gln	Tyr	Ser	Leu	Val	Glu	Asp	Asp	Glu	Asp
				335					340					345
Leu	Pro	His	His	Asp	Glu	Lys	Thr	Trp	Asn	Val	Gly	Ser	Ser	Asn
				350					355					360
Arg	Asn	Lys	Ala	Glu	Asn	Leu	Leu	Arg	Gly	Lys	Arg	Asp	Gly	Thr
				365					370					375
Phe	Leu	Val	Arg	Glu	Ser	Ser	Lys	Gln	Gly	Cys	Tyr	Ala	Cys	Ser
				380					385					390
Val	Val	Val	Asp	Gly	Glu	Val	Lys	His	Cys	Val	Ile	Asn	Lys	Thr
				395					400					405
Ala	Thr	Gly	Tyr	Gly	Phe	Ala	Glu	Pro	Tyr	Asn	Leu	Tyr	Ser	Ser
				410					415					420
Leu	Lys	Glu	Leu	Val	Leu	His	Tyr	Gln	His	Thr	Ser	Leu	Val	Gln
				425					430					435
His	Asn	Asp	Ser	Leu	Asn	Val	Thr	Leu	Ala	Tyr	Pro	Val	Tyr	Ala
				440					445					450
Gln	Gln	Arg	Arg											

<210> 8

<211> 502

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3173355CD1

<400> 8

Met	Phe	Gly	Thr	Leu	Leu	Leu	Tyr	Cys	Phe	Phe	Leu	Ala	Thr	Val
1				5					10					15
Pro	Ala	Leu	Ala	Glu	Thr	Gly	Gly	Glu	Arg	Gln	Leu	Ser	Pro	Glu
				20					25					30
Lys	Ser	Glu	Ile	Trp	Gly	Pro	Gly	Leu	Lys	Ala	Asp	Val	Val	Leu
				35					40					45
Pro	Ala	Arg	Tyr	Phe	Tyr	Ile	Gln	Ala	Val	Asp	Thr	Ser	Gly	Asn
				50					55					60
Lys	Phe	Thr	Ser	Ser	Pro	Gly	Glu	Lys	Val	Phe	Gln	Val	Lys	Val
				65					70					75
Ser	Ala	Pro	Glu	Glu	Gln	Phe	Thr	Arg	Val	Gly	Val	Gln	Val	Leu
				80					85					90
Asp	Arg	Lys	Asp	Gly	Ser	Phe	Ile	Val	Arg	Tyr	Arg	Met	Tyr	Ala
				95					100					105
Ser	Tyr	Lys	Asn	Leu	Lys	Val	Glu	Ile	Lys	Phe	Gln	Gly	Gln	His
				110					115					120
Val	Ala	Lys	Ser	Pro	Tyr	Ile	Leu	Lys	Gly	Pro	Val	Tyr	His	Glu
				125					130					135
Asn	Cys	Asp	Cys	Pro	Leu	Gln	Asp	Ser	Ala	Ala	Trp	Leu	Arg	Glu

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	140		145		150
Met Asn Cys Pro	Glu Thr Ile Ala Gln	Ile Gln Arg Asp Leu	Ala		
	155		160		165
His Phe Pro Ala	Val Asp Pro Glu Lys	Ile Ala Val Glu Ile	Pro		
	170		175		180
Lys Arg Phe Gly	Gln Arg Gln Ser Leu	Cys His Tyr Thr Leu	Lys		
	185		190		195
Asp Asn Lys Val	Tyr Ile Lys Thr His	Gly Glu His Val Gly	Phe		
	200		205		210
Arg Ile Phe Met	Asp Ala Ile Leu Leu	Ser Leu Thr Arg Lys	Val		
	215		220		225
Lys Met Pro Asp	Val Glu Leu Phe Val	Asn Leu Gly Asp Trp	Pro		
	230		235		240
Leu Glu Lys Lys	Lys Ser Asn Ser Asn	Ile His Pro Ile Phe	Ser		
	245		250		255
Trp Cys Gly Ser	Thr Asp Ser Lys Asp	Ile Val Met Pro Thr	Tyr		
	260		265		270
Asp Leu Thr Asp	Ser Val Leu Glu Thr	Met Gly Arg Val Ser	Leu		
	275		280		285
Asp Met Met Ser	Val Gln Ala Asn Thr	Gly Pro Pro Trp Glu	Ser		
	290		295		300
Lys Asn Ser Thr	Ala Val Trp Arg Gly	Arg Asp Ser Arg Lys	Glu		
	305		310		315
Arg Leu Glu Leu	Val Lys Leu Ser Arg	Lys His Pro Glu Leu	Ile		
	320		325		330
Asp Ala Ala Phe	Thr Asn Phe Phe Phe	Phe Lys His Asp Glu	Asn		
	335		340		345
Leu Tyr Gly Pro	Ile Val Lys His Ile	Ser Phe Phe Asp Phe	Phe		
	350		355		360
Lys His Lys Tyr	Gln Ile Asn Ile Asp	Gly Thr Val Ala Ala	Tyr		
	365		370		375
Arg Leu Pro Tyr	Leu Leu Val Gly Asp	Ser Val Val Leu Lys	Gln		
	380		385		390
Asp Ser Ile Tyr	Tyr Glu His Phe Tyr	Asn Glu Leu Gln Pro	Trp		
	395		400		405
Lys His Tyr Ile	Pro Val Lys Ser Asn	Leu Ser Asp Leu Leu	Glu		
	410		415		420
Lys Leu Lys Trp	Ala Lys Asp His Asp	Glu Glu Ala Lys Lys	Ile		
	425		430		435
Ala Lys Ala Gly	Gln Glu Phe Ala Arg	Asn Asn Leu Met Gly	Asp		
	440		445		450
Asp Ile Phe Cys	Tyr Tyr Phe Lys Leu	Phe Gln Glu Tyr Ala	Asn		
	455		460		465
Leu Gln Val Ser	Glu Pro Gln Ile Arg	Glu Gly Met Lys Arg	Val		
	470		475		480
Glu Pro Gln Thr	Glu Asp Asp Leu Phe	Pro Cys Thr Cys His	Arg		
	485		490		495
Lys Lys Thr Lys	Asp Glu Leu				
	500				

<210> 9

<211> 282

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5116906CD1

<400> 9

Met	Trp	Ala	Cys	Gly	Val	Ile	Leu	Tyr	Ile	Leu	Leu	Val	Gly	Tyr
1				5					10					15
Pro	Pro	Phe	Trp	Asp	Glu	Asp	Gln	His	Arg	Leu	Tyr	Gln	Gln	Ile
				20					25					30
Lys	Ala	Gly	Ala	Tyr	Asp	Phe	Pro	Ser	Pro	Glu	Trp	Asp	Thr	Val
				35					40					45
Thr	Pro	Glu	Ala	Lys	Asp	Leu	Ile	Asn	Lys	Met	Leu	Thr	Ile	Asn
				50					55					60
Pro	Ala	Lys	Arg	Ile	Thr	Ala	Ser	Glu	Ala	Leu	Lys	His	Pro	Trp
				65					70					75
Ile	Cys	Gln	Arg	Ser	Thr	Val	Ala	Ser	Met	Met	His	Arg	Gln	Glu
				80					85					90
Thr	Val	Asp	Cys	Leu	Lys	Lys	Phe	Asn	Ala	Arg	Arg	Lys	Leu	Lys
				95					100					105
Gly	Ala	Ile	Leu	Thr	Thr	Met	Leu	Ala	Thr	Arg	Asn	Phe	Ser	Ala
				110					115					120
Ala	Lys	Ser	Leu	Leu	Lys	Lys	Pro	Asp	Gly	Val	Lys	Glu	Ser	Thr
				125					130					135
Glu	Ser	Ser	Asn	Thr	Thr	Ile	Glu	Asp	Glu	Asp	Val	Lys	Ala	Arg
				140					145					150
Lys	Gln	Glu	Ile	Ile	Lys	Val	Thr	Glu	Gln	Leu	Ile	Glu	Ala	Ile
				155					160					165
Asn	Asn	Gly	Asp	Phe	Glu	Ala	Tyr	Thr	Lys	Ile	Cys	Asp	Pro	Gly
				170					175					180
Leu	Thr	Ala	Phe	Glu	Pro	Glu	Ala	Leu	Gly	Asn	Leu	Val	Glu	Gly
				185					190					195
Met	Asp	Phe	His	Arg	Phe	Tyr	Phe	Glu	Asn	Ala	Leu	Ser	Lys	Ser
				200					205					210
Asn	Lys	Pro	Ile	His	Thr	Ile	Ile	Leu	Asn	Pro	His	Val	His	Leu
				215					220					225
Val	Gly	Asp	Asp	Ala	Ala	Cys	Ile	Ala	Tyr	Ile	Arg	Leu	Thr	Gln
				230					235					240
Tyr	Met	Asp	Gly	Ser	Gly	Met	Pro	Lys	Thr	Met	Gln	Ser	Glu	Glu
				245					250					255
Thr	Arg	Val	Trp	His	Arg	Arg	Asp	Gly	Lys	Trp	Gln	Asn	Val	His
				260					265					270
Phe	His	Arg	Ser	Gly	Ser	Pro	Thr	Val	Pro	Ile	Asn			
				275					280					

<210> 10

<211> 510

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 940589CD1

<400> 10

Met	Lys	Ala	Asp	Ile	Lys	Ile	Trp	Ile	Leu	Thr	Gly	Asp	Lys	Gln
1				5					10					15
Glu	Thr	Ala	Ile	Asn	Ile	Gly	His	Ser	Cys	Lys	Leu	Leu	Lys	Lys
				20					25					30
Asn	Met	Gly	Met	Ile	Val	Ile	Asn	Glu	Gly	Ser	Leu	Asp	Ser	Phe
				35					40					45
Ser	Asn	Thr	Gln	Asn	Ser	Arg	Lys	Glu	Ala	Val	Leu	Leu	Ala	Lys
				50					55					60
Met	Lys	His	Pro	Asn	Ile	Val	Ala	Phe	Lys	Glu	Ser	Phe	Glu	Ala

				65					70					75
Glu	Gly	His	Leu	Tyr	Ile	Val	Met	Glu	Tyr	Cys	Asp	Gly	Gly	Asp
				80					85					90
Leu	Met	Gln	Lys	Ile	Lys	Gln	Gln	Lys	Gly	Lys	Leu	Phe	Pro	Glu
				95					100					105
Asp	Met	Ile	Leu	Asn	Trp	Phe	Thr	Gln	Met	Cys	Leu	Gly	Val	Asn
				110					115					120
His	Ile	His	Lys	Lys	Arg	Val	Leu	His	Arg	Asp	Ile	Lys	Ser	Lys
				125					130					135
Asn	Ile	Phe	Leu	Thr	Gln	Asn	Gly	Lys	Val	Lys	Leu	Gly	Asp	Phe
				140					145					150
Gly	Ser	Ala	Arg	Leu	Leu	Ser	Asn	Pro	Met	Ala	Phe	Ala	Cys	Thr
				155					160					165
Tyr	Val	Gly	Thr	Pro	Tyr	Tyr	Val	Pro	Pro	Glu	Ile	Trp	Glu	Asn
				170					175					180
Leu	Pro	Tyr	Asn	Asn	Lys	Ser	Asp	Ile	Trp	Ser	Leu	Gly	Cys	Ile
				185					190					195
Leu	Tyr	Glu	Leu	Cys	Thr	Leu	Lys	His	Pro	Phe	Gln	Ala	Asn	Ser
				200					205					210
Trp	Lys	Asn	Leu	Ile	Leu	Lys	Val	Cys	Gln	Gly	Cys	Ile	Ser	Pro
				215					220					225
Leu	Pro	Ser	His	Tyr	Ser	Tyr	Glu	Leu	Gln	Phe	Leu	Val	Lys	Gln
				230					235					240
Met	Phe	Lys	Arg	Asn	Pro	Ser	His	Arg	Pro	Ser	Ala	Thr	Thr	Leu
				245					250					255
Leu	Ser	Arg	Gly	Ile	Val	Ala	Arg	Leu	Val	Gln	Lys	Cys	Leu	Pro
				260					265					270
Pro	Glu	Ile	Ile	Met	Glu	Tyr	Gly	Glu	Glu	Val	Leu	Glu	Glu	Ile
				275					280					285
Lys	Asn	Ser	Lys	His	Asn	Thr	Pro	Arg	Lys	Lys	Thr	Asn	Pro	Ser
				290					295					300
Arg	Ile	Arg	Ile	Ala	Leu	Gly	Asn	Glu	Ala	Ser	Thr	Val	Gln	Glu
				305					310					315
Glu	Glu	Gln	Asp	Arg	Lys	Gly	Ser	His	Thr	Asp	Leu	Glu	Ser	Ile
				320					325					330
Asn	Glu	Asn	Leu	Val	Glu	Ser	Ala	Leu	Arg	Arg	Val	Asn	Arg	Glu
				335					340					345
Glu	Lys	Gly	Asn	Lys	Ser	Val	His	Leu	Arg	Lys	Ala	Ser	Ser	Pro
				350					355					360
Asn	Leu	His	Arg	Arg	Gln	Trp	Glu	Lys	Asn	Val	Pro	Asn	Thr	Ala
				365					370					375
Leu	Thr	Ala	Leu	Glu	Asn	Ala	Ser	Ile	Leu	Thr	Ser	Ser	Leu	Thr
				380					385					390
Ala	Glu	Asp	Asp	Arg	Gly	Gly	Ser	Val	Ile	Lys	Tyr	Ser	Lys	Asn
				395					400					405
Thr	Thr	Arg	Lys	Gln	Trp	Leu	Lys	Glu	Thr	Pro	Asp	Thr	Leu	Leu
				410					415					420
Asn	Ile	Leu	Lys	Asn	Ala	Asp	Leu	Ser	Leu	Ala	Phe	Gln	Thr	Tyr
				425					430					435
Thr	Ile	Tyr	Arg	Pro	Gly	Ser	Glu	Gly	Phe	Leu	Lys	Gly	Pro	Leu
				440					445					450
Ser	Glu	Glu	Thr	Glu	Ala	Ser	Asp	Ser	Val	Asp	Gly	Gly	His	Asp
				455					460					465
Ser	Val	Ile	Leu	Asp	Pro	Glu	Arg	Leu	Glu	Pro	Gly	Leu	Asp	Glu
				470					475					480
Glu	Asp	Thr	Asp	Phe	Glu	Glu	Glu	Asp	Asp	Asn	Pro	Asp	Trp	Val
				485					490					495
Ser	Glu	Leu	Lys	Lys	Arg	Ala	Gly	Trp	Gln	Gly	Leu	Cys	Asp	Arg
				500					505					510

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<210> 11
<211> 248
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 304421CD1

<400> 11
Met Ala Glu Thr Ser Leu Pro Glu Leu Gly Gly Glu Asp Lys Ala
1 5 10 15
Thr Pro Cys Pro Ser Ile Leu Glu Leu Glu Glu Leu Leu Arg Ala
20 25 30
Gly Lys Ser Ser Cys Ser Arg Val Asp Glu Val Trp Pro Asn Leu
35 40 45
Phe Ile Gly Asp Ala Met Asp Ser Leu Gln Lys Gln Asp Leu Arg
50 55 60
Arg Pro Lys Ile His Gly Ala Val Gln Ala Ser Pro Tyr Gln Pro
65 70 75
Pro Thr Leu Ala Ser Leu Gln Arg Leu Leu Trp Val Arg Gln Ala
80 85 90
Ala Thr Leu Asn His Ile Asp Glu Val Trp Pro Ser Leu Phe Leu
95 100 105
Gly Asp Ala Tyr Ala Ala Arg Asp Lys Ser Lys Leu Ile Gln Leu
110 115 120
Gly Ile Thr His Val Val Asn Ala Ala Ala Gly Lys Phe Gln Val
125 130 135
Asp Thr Gly Ala Lys Phe Tyr Arg Gly Met Ser Leu Glu Tyr Tyr
140 145 150
Gly Ile Glu Ala Asp Asp Asn Pro Phe Phe Asp Leu Ser Val Tyr
155 160 165
Phe Leu Pro Val Ala Arg Tyr Ile Arg Ala Ala Leu Ser Val Pro
170 175 180
Gln Gly Arg Val Leu Val His Cys Ala Met Gly Val Ser Arg Ser
185 190 195
Ala Thr Leu Val Leu Ala Phe Leu Met Ile Tyr Glu Asn Met Thr
200 205 210
Leu Val Glu Ala Ile Gln Thr Val Gln Ala His Arg Asn Ile Cys
215 220 225
Pro Asn Ser Gly Phe Leu Arg Gln Leu Gln Val Leu Asp Asn Arg
230 235 240
Leu Gly Arg Glu Thr Gly Arg Phe
245

<210> 12
<211> 810
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1213802CD1

<400> 12
Met Pro Asn Gln Gly Glu Asp Cys Tyr Phe Phe Phe Tyr Ser Thr
1 5 10 15
Cys Thr Lys Gly Asp Ser Cys Pro Phe Arg His Cys Glu Ala Ala

				20					25					30
Ile	Gly	Asn	Glu	Thr	Val	Cys	Thr	Leu	Trp	Gln	Glu	Gly	Arg	Cys
				35					40					45
Phe	Arg	Gln	Val	Cys	Arg	Phe	Arg	His	Met	Glu	Ile	Asp	Lys	Lys
				50					55					60
Arg	Ser	Glu	Ile	Pro	Cys	Tyr	Trp	Glu	Asn	Gln	Pro	Thr	Gly	Cys
				65					70					75
Gln	Lys	Leu	Asn	Cys	Ala	Phe	His	His	Asn	Arg	Gly	Arg	Tyr	Val
				80					85					90
Asp	Gly	Leu	Phe	Leu	Pro	Pro	Ser	Lys	Thr	Val	Leu	Pro	Thr	Val
				95					100					105
Pro	Glu	Ser	Pro	Glu	Glu	Glu	Val	Lys	Ala	Ser	Gln	Leu	Ser	Val
				110					115					120
Gln	Gln	Asn	Lys	Leu	Ser	Val	Gln	Ser	Asn	Pro	Ser	Pro	Gln	Leu
				125					130					135
Arg	Ser	Val	Met	Lys	Val	Glu	Ser	Ser	Glu	Asn	Val	Pro	Ser	Pro
				140					145					150
Thr	His	Pro	Pro	Val	Val	Ile	Asn	Ala	Ala	Asp	Asp	Asp	Glu	Asp
				155					160					165
Asp	Asp	Asp	Gln	Phe	Ser	Glu	Glu	Gly	Asp	Glu	Thr	Lys	Thr	Pro
				170					175					180
Thr	Leu	Gln	Pro	Thr	Pro	Glu	Val	His	Asn	Gly	Leu	Arg	Val	Thr
				185					190					195
Ser	Val	Arg	Lys	Pro	Ala	Val	Asn	Ile	Lys	Gln	Gly	Glu	Cys	Leu
				200					205					210
Asn	Phe	Gly	Ile	Lys	Thr	Leu	Glu	Glu	Ile	Lys	Ser	Lys	Lys	Met
				215					220					225
Lys	Glu	Lys	Ser	Lys	Lys	Gln	Gly	Glu	Gly	Ser	Ser	Gly	Val	Ser
				230					235					240
Ser	Leu	Leu	Leu	His	Pro	Glu	Pro	Val	Pro	Gly	Pro	Glu	Lys	Glu
				245					250					255
Asn	Val	Arg	Thr	Val	Val	Arg	Thr	Val	Thr	Leu	Ser	Thr	Lys	Gln
				260					265					270
Gly	Glu	Glu	Pro	Leu	Val	Arg	Leu	Ser	Leu	Thr	Glu	Arg	Leu	Gly
				275					280					285
Lys	Arg	Lys	Phe	Ser	Ala	Gly	Gly	Asp	Ser	Asp	Pro	Pro	Leu	Lys
				290					295					300
Arg	Ser	Leu	Ala	Gln	Arg	Leu	Gly	Lys	Lys	Val	Glu	Ala	Pro	Glu
				305					310					315
Thr	Asn	Ile	Asp	Lys	Thr	Pro	Lys	Lys	Ala	Gln	Val	Ser	Lys	Ser
				320					325					330
Leu	Lys	Glu	Arg	Leu	Gly	Met	Ser	Ala	Asp	Pro	Asp	Asn	Glu	Asp
				335					340					345
Ala	Thr	Asp	Lys	Val	Asn	Lys	Val	Gly	Glu	Ile	His	Val	Lys	Thr
				350					355					360
Leu	Glu	Glu	Ile	Leu	Leu	Glu	Arg	Ala	Ser	Gln	Lys	Arg	Gly	Glu
				365					370					375
Leu	Gln	Thr	Lys	Leu	Lys	Thr	Glu	Gly	Pro	Ser	Lys	Thr	Asp	Asp
				380					385					390
Ser	Thr	Ser	Gly	Ala	Arg	Ser	Ser	Ser	Thr	Ile	Arg	Ile	Lys	Thr
				395					400					405
Phe	Ser	Glu	Val	Leu	Ala	Glu	Lys	Lys	His	Arg	Gln	Gln	Glu	Ala
				410					415					420
Glu	Arg	Gln	Lys	Ser	Lys	Lys	Asp	Thr	Thr	Cys	Ile	Lys	Leu	Lys
				425					430					435
Ile	Asp	Ser	Glu	Ile	Lys	Lys	Thr	Val	Val	Leu	Pro	Pro	Ile	Val
				440					445					450
Ala	Ser	Arg	Gly	Gln	Ser	Glu	Glu	Pro	Ala	Gly	Lys	Thr	Lys	Ser
				455					460					465

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Met	Gln	Glu	Val	His	Ile	Lys	Thr	Leu	Glu	Glu	Ile	Lys	Leu	Glu	
				470					475					480	
Lys	Ala	Leu	Arg	Val	Gln	Gln	Ser	Ser	Glu	Ser	Ser	Thr	Ser	Ser	
				485					490					495	
Pro	Ser	Gln	His	Glu	Ala	Thr	Pro	Gly	Ala	Arg	Arg	Leu	Leu	Arg	
				500					505					510	
Ile	Thr	Lys	Arg	Thr	Gly	Met	Lys	Glu	Glu	Lys	Asn	Leu	Gln	Glu	
				515					520					525	
Gly	Asn	Glu	Val	Asp	Ser	Gln	Ser	Ser	Ile	Arg	Thr	Glu	Ala	Lys	
				530					535					540	
Glu	Ala	Ser	Gly	Glu	Thr	Thr	Gly	Val	Asp	Ile	Thr	Lys	Ile	Gln	
				545					550					555	
Val	Lys	Arg	Cys	Glu	Thr	Met	Arg	Glu	Lys	His	Met	Gln	Lys	Gln	
				560					565					570	
Gln	Glu	Arg	Glu	Lys	Ser	Val	Leu	Thr	Pro	Leu	Arg	Gly	Asp	Val	
				575					580					585	
Ala	Ser	Cys	Asn	Thr	Gln	Val	Ala	Glu	Lys	Pro	Val	Leu	Thr	Ala	
				590					595					600	
Val	Pro	Gly	Ile	Thr	Arg	His	Leu	Thr	Lys	Arg	Leu	Pro	Thr	Lys	
				605					610					615	
Ser	Ser	Gln	Lys	Val	Glu	Val	Glu	Thr	Ser	Gly	Ile	Gly	Asp	Ser	
				620					625					630	
Leu	Leu	Asn	Val	Lys	Cys	Ala	Ala	Gln	Thr	Leu	Glu	Lys	Arg	Gly	
				635					640					645	
Lys	Ala	Lys	Pro	Lys	Val	Asn	Val	Lys	Pro	Ser	Val	Val	Lys	Val	
				650					655					660	
Val	Ser	Ser	Pro	Lys	Leu	Ala	Pro	Lys	Arg	Lys	Ala	Val	Glu	Met	
				665					670					675	
His	Ala	Ala	Val	Ile	Ala	Ala	Val	Lys	Pro	Leu	Ser	Ser	Ser	Ser	
				680					685					690	
Val	Leu	Gln	Glu	Pro	Pro	Ala	Lys	Lys	Ala	Ala	Val	Ala	Val	Val	
				695					700					705	
Pro	Leu	Val	Ser	Glu	Asp	Lys	Ser	Val	Thr	Val	Pro	Glu	Ala	Glu	
				710					715					720	
Asn	Pro	Arg	Asp	Ser	Leu	Val	Leu	Pro	Pro	Thr	Gln	Ser	Ser	Ser	
				725					730					735	
Asp	Ser	Ser	Pro	Pro	Glu	Val	Ser	Gly	Pro	Ser	Ser	Ser	Gln	Met	
				740					745					750	
Ser	Met	Lys	Thr	Arg	Arg	Leu	Ser	Ser	Ala	Ser	Thr	Gly	Lys	Pro	
				755					760					765	
Pro	Leu	Ser	Val	Glu	Asp	Asp	Phe	Glu	Lys	Leu	Ile	Trp	Glu	Ile	
				770					775					780	
Ser	Gly	Gly	Lys	Leu	Glu	Ala	Glu	Ile	Asp	Leu	Asp	Pro	Gly	Lys	
				785					790					795	
Asp	Glu	Asp	Asp	Leu	Leu	Leu	Glu	Leu	Ser	Glu	Met	Ile	Asp	Ser	
				800					805					810	

<210> 13

<211> 549

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1378134CD1

<400> 13

Met Arg Arg Arg Ala Ser Asn Ala Ala Ala Ala Ala His Thr Ile

1	5	10	15
Gly Gly Ser Lys His	Thr Met Asn Asp His	Leu His Val Gly Ser	
20	25	30	
His Ala His Gly Gln	Ile Gln Val Arg Gln	Leu Phe Glu Asp Asn	
35	40	45	
Ser Asn Lys Arg Thr	Val Leu Thr Thr Gln	Pro Asn Gly Leu Thr	
50	55	60	
Thr Val Gly Lys Thr	Gly Leu Pro Val Val	Pro Glu Arg Gln Leu	
65	70	75	
Asp Ser Ile His Arg	Arg Gln Gly Ser Ser	Thr Ser Leu Lys Ser	
80	85	90	
Met Glu Gly Met Gly	Lys Val Lys Ala Thr	Pro Met Thr Pro Glu	
95	100	105	
Gln Ala Met Lys Gln	Tyr Met Gln Lys Leu	Thr Ala Phe Glu His	
110	115	120	
His Glu Ile Phe Ser	Tyr Pro Glu Ile Tyr	Phe Leu Gly Leu Asn	
125	130	135	
Ala Lys Lys Arg Gln	Gly Met Thr Gly Gly	Pro Asn Asn Gly Gly	
140	145	150	
Tyr Asp Asp Asp Gln	Gly Ser Tyr Val Gln	Val Pro His Asp His	
155	160	165	
Val Ala Tyr Arg Tyr	Glu Val Leu Lys Val	Ile Gly Lys Gly Ser	
170	175	180	
Phe Gly Gln Val Val	Lys Ala Tyr Asp His	Lys Val His Gln His	
185	190	195	
Val Ala Leu Lys Met	Val Arg Asn Glu Lys	Arg Phe His Arg Gln	
200	205	210	
Ala Ala Glu Glu Ile	Arg Ile Leu Glu His	Leu Arg Lys Gln Asp	
215	220	225	
Lys Asp Asn Thr Met	Asn Val Ile His Met	Leu Glu Asn Phe Thr	
230	235	240	
Phe Arg Asn His Ile	Cys Met Thr Phe Glu	Leu Leu Ser Met Asn	
245	250	255	
Leu Tyr Glu Leu Ile	Lys Lys Asn Lys Phe	Gln Gly Phe Ser Leu	
260	265	270	
Pro Leu Val Arg Lys	Phe Ala His Ser Ile	Leu Gln Cys Leu Asp	
275	280	285	
Ala Leu His Lys Asn	Arg Ile Ile His Cys	Asp Leu Lys Pro Glu	
290	295	300	
Asn Ile Leu Leu Lys	Gln Gln Gly Arg Ser	Gly Ile Lys Val Ile	
305	310	315	
Asp Phe Gly Ser Ser	Cys Tyr Glu His Gln	Arg Val Tyr Thr Tyr	
320	325	330	
Ile Gln Ser Arg Phe	Tyr Arg Ala Pro Glu	Val Ile Leu Gly Ala	
335	340	345	
Arg Tyr Gly Met Pro	Ile Asp Met Trp Ser	Leu Gly Cys Ile Leu	
350	355	360	
Ala Glu Leu Leu Thr	Gly Tyr Pro Leu Leu	Pro Gly Glu Asp Glu	
365	370	375	
Gly Asp Gln Leu Ala	Cys Met Ile Glu Leu	Leu Gly Met Pro Ser	
380	385	390	
Gln Lys Leu Leu Asp	Ala Ser Lys Arg Ala	Lys Asn Phe Val Ser	
395	400	405	
Ser Lys Gly Tyr Pro	Arg Tyr Cys Thr Val	Thr Thr Leu Ser Asp	
410	415	420	
Gly Ser Val Val Leu	Asn Gly Gly Arg Ser	Arg Arg Gly Lys Leu	
425	430	435	
Arg Gly Pro Pro Glu	Ser Arg Glu Trp Gly	Asn Ala Leu Lys Gly	
440	445	450	

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Cys	Asp	Asp	Pro	Leu	Phe	Leu	Asp	Phe	Leu	Lys	Gln	Cys	Leu	Glu	
				455						460				465	
Trp	Asp	Pro	Ala	Val	Arg	Met	Thr	Pro	Gly	Gln	Ala	Leu	Arg	His	
				470					475					480	
Pro	Trp	Leu	Arg	Arg	Arg	Leu	Pro	Lys	Pro	Pro	Thr	Gly	Glu	Lys	
				485					490					495	
Thr	Ser	Val	Lys	Arg	Ile	Thr	Glu	Ser	Thr	Gly	Ala	Ile	Thr	Ser	
				500					505					510	
Ile	Ser	Lys	Leu	Pro	Pro	Pro	Ser	Ser	Ser	Ala	Ser	Lys	Leu	Arg	
				515					520					525	
Thr	Asn	Leu	Ala	Gln	Met	Thr	Asp	Ala	Asn	Gly	Asn	Ile	Gln	Gln	
				530					535					540	
Arg	Thr	Val	Leu	Pro	Lys	Leu	Val	Ser							
				545											

<210> 14
 <211> 416
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1490070CD1

<400> 14

Met	Met	Pro	Gln	Leu	Gln	Phe	Lys	Asp	Ala	Phe	Trp	Cys	Arg	Asp	
1				5					10					15	
Phe	Thr	Ala	His	Thr	Gly	Tyr	Glu	Val	Leu	Leu	Gln	Arg	Leu	Leu	
				20					25					30	
Asp	Gly	Arg	Lys	Met	Cys	Lys	Asp	Met	Val	Glu	Leu	Leu	Trp	Gln	
				35					40					45	
Arg	Ala	Gln	Ala	Glu	Glu	Arg	Tyr	Gly	Lys	Glu	Leu	Val	Gln	Ile	
				50					55					60	
Ala	Arg	Lys	Ala	Gly	Gly	Gln	Thr	Glu	Ile	Asn	Ser	Leu	Arg	Ala	
				65					70					75	
Ser	Phe	Asp	Ser	Leu	Lys	Gln	Gln	Met	Glu	Asn	Val	Gly	Ser	Ser	
				80					85					90	
His	Ile	Gln	Leu	Ala	Leu	Thr	Leu	Arg	Glu	Glu	Leu	Arg	Ser	Leu	
				95					100					105	
Glu	Glu	Phe	Arg	Glu	Arg	Gln	Lys	Glu	Gln	Arg	Lys	Lys	Tyr	Glu	
				110					115					120	
Ala	Val	Met	Asp	Arg	Val	Gln	Lys	Ser	Lys	Leu	Ser	Leu	Tyr	Lys	
				125					130					135	
Lys	Ala	Met	Glu	Ser	Lys	Lys	Thr	Tyr	Glu	Gln	Lys	Cys	Arg	Asp	
				140					145					150	
Ala	Asp	Asp	Ala	Glu	Gln	Ala	Phe	Glu	Arg	Ile	Ser	Ala	Asn	Gly	
				155					160					165	
His	Gln	Lys	Gln	Val	Glu	Lys	Ser	Gln	Asn	Lys	Ala	Arg	Gln	Cys	
				170					175					180	
Lys	Asp	Ser	Ala	Thr	Glu	Ala	Glu	Arg	Val	Tyr	Arg	Gln	Ser	Ile	
				185					190					195	
Ala	Gln	Leu	Glu	Lys	Val	Arg	Ala	Glu	Trp	Glu	Gln	Glu	His	Arg	
				200					205					210	
Thr	Thr	Cys	Glu	Ala	Phe	Gln	Leu	Gln	Glu	Phe	Asp	Arg	Leu	Thr	
				215					220					225	
Ile	Leu	Arg	Asn	Ala	Leu	Trp	Val	His	Ser	Asn	Gln	Leu	Ser	Met	
				230					235					240	
Gln	Cys	Val	Lys	Asp	Asp	Glu	Leu	Tyr	Glu	Glu	Val	Arg	Leu	Thr	
				245					250					255	

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Leu	Glu	Gly	Cys	Ser	Ile	Asp	Ala	Asp	Ile	Asp	Ser	Phe	Ile	Gln	
				260					265					270	
Ala	Lys	Ser	Thr	Gly	Thr	Glu	Pro	Pro	Ala	Pro	Val	Pro	Tyr	Gln	
				275					280					285	
Asn	Tyr	Tyr	Asp	Arg	Glu	Val	Thr	Pro	Leu	Thr	Ser	Ser	Pro	Gly	
				290					295					300	
Ile	Gln	Pro	Ser	Cys	Gly	Met	Ile	Lys	Arg	Phe	Ser	Gly	Leu	Leu	
				305					310					315	
His	Gly	Ser	Pro	Lys	Thr	Thr	Ser	Leu	Ala	Ala	Ser	Ala	Ala	Ser	
				320					325					330	
Thr	Glu	Thr	Leu	Thr	Pro	Thr	Pro	Glu	Arg	Asn	Glu	Gly	Val	Tyr	
				335					340					345	
Thr	Ala	Ile	Ala	Val	Gln	Glu	Ile	Gln	Gly	Asn	Pro	Ala	Ser	Pro	
				350					355					360	
Ala	Gln	Glu	Tyr	Arg	Ala	Leu	Tyr	Asp	Tyr	Thr	Ala	Gln	Asn	Pro	
				365					370					375	
Asp	Glu	Leu	Asp	Leu	Ser	Ala	Gly	Asp	Ile	Leu	Glu	Val	Ile	Leu	
				380					385					390	
Glu	Gly	Glu	Asp	Gly	Trp	Trp	Thr	Val	Glu	Arg	Asn	Gly	Gln	Arg	
				395					400					405	
Gly	Phe	Val	Pro	Gly	Ser	Tyr	Leu	Glu	Lys	Leu					
				410					415						

<210> 15

<211> 425

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1997814CD1

<400> 15

Met	Glu	Gln	Gly	Leu	Glu	Glu	Glu	Glu	Glu	Val	Asp	Pro	Arg	Ile	
1				5					10					15	
Gln	Gly	Glu	Leu	Glu	Lys	Leu	Asn	Gln	Ser	Thr	Asp	Asp	Ile	Asn	
				20					25					30	
Arg	Arg	Glu	Thr	Glu	Leu	Glu	Asp	Ala	Arg	Gln	Lys	Phe	Arg	Ser	
				35					40					45	
Val	Leu	Val	Glu	Ala	Thr	Val	Lys	Leu	Asp	Glu	Leu	Val	Lys	Lys	
				50					55					60	
Ile	Gly	Lys	Ala	Val	Glu	Asp	Ser	Lys	Pro	Tyr	Trp	Glu	Ala	Arg	
				65					70					75	
Arg	Val	Ala	Arg	Gln	Ala	Gln	Leu	Glu	Ala	Gln	Lys	Ala	Thr	Gln	
				80					85					90	
Asp	Phe	Gln	Arg	Ala	Thr	Glu	Val	Leu	Arg	Ala	Ala	Lys	Glu	Thr	
				95					100					105	
Ile	Ser	Leu	Ala	Glu	Gln	Arg	Leu	Leu	Glu	Asp	Asp	Lys	Arg	Gln	
				110					115					120	
Phe	Asp	Ser	Ala	Trp	Gln	Glu	Met	Leu	Asn	His	Ala	Thr	Gln	Arg	
				125					130					135	
Val	Met	Glu	Ala	Glu	Gln	Thr	Lys	Thr	Arg	Ser	Glu	Leu	Val	His	
				140					145					150	
Lys	Glu	Thr	Ala	Ala	Arg	Tyr	Asn	Ala	Ala	Met	Gly	Arg	Met	Arg	
				155					160					165	
Gln	Leu	Glu	Lys	Lys	Leu	Lys	Arg	Ala	Ile	Asn	Lys	Ser	Lys	Pro	
				170					175					180	
Tyr	Phe	Glu	Leu	Lys	Ala	Lys	Tyr	Tyr	Val	Gln	Leu	Glu	Gln	Leu	
				185					190					195	

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Lys	Lys	Thr	Val	Asp	Asp	Leu	Gln	Ala	Lys	Leu	Thr	Leu	Ala	Lys
				200					205					210
Gly	Glu	Tyr	Lys	Met	Ala	Leu	Lys	Asn	Leu	Glu	Met	Ile	Ser	Asp
				215					220					225
Glu	Ile	His	Glu	Arg	Arg	Arg	Ser	Ser	Ala	Met	Gly	Pro	Arg	Gly
				230					235					240
Cys	Gly	Val	Gly	Ala	Glu	Gly	Ser	Ser	Thr	Ser	Val	Glu	Asp	Leu
				245					250					255
Pro	Gly	Ser	Lys	Pro	Glu	Pro	Asp	Ala	Ile	Ser	Val	Ala	Ser	Glu
				260					265					270
Ala	Phe	Glu	Asp	Asp	Ser	Cys	Ser	Asn	Phe	Val	Ser	Glu	Asp	Asp
				275					280					285
Ser	Glu	Thr	Gln	Ser	Val	Ser	Ser	Phe	Ser	Ser	Gly	Pro	Thr	Ser
				290					295					300
Pro	Ser	Glu	Met	Pro	Asp	Gln	Phe	Pro	Ala	Val	Val	Arg	Pro	Gly
				305					310					315
Ser	Leu	Asp	Leu	Pro	Ser	Pro	Val	Ser	Leu	Ser	Glu	Phe	Gly	Met
				320					325					330
Met	Phe	Pro	Val	Leu	Gly	Pro	Arg	Ser	Glu	Cys	Ser	Gly	Ala	Ser
				335					340					345
Ser	Pro	Glu	Cys	Glu	Val	Glu	Arg	Gly	Asp	Arg	Ala	Glu	Gly	Ala
				350					355					360
Glu	Asn	Lys	Thr	Ser	Asp	Lys	Ala	Asn	Asn	Asn	Arg	Gly	Leu	Ser
				365					370					375
Ser	Ser	Ser	Gly	Ser	Gly	Gly	Ser	Ser	Lys	Ser	Gln	Ser	Ser	Thr
				380					385					390
Ser	Pro	Glu	Gly	Gln	Ala	Leu	Glu	Asn	Arg	Met	Lys	Gln	Leu	Ser
				395					400					405
Leu	Gln	Cys	Ser	Lys	Gly	Arg	Asp	Gly	Ile	Ile	Ala	Asp	Ile	Lys
				410					415					420
Met	Val	Gln	Ile	Gly										
				425										

<210> 16

<211> 1135

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2299715CD1

<400> 16

Met	Ala	Asn	Asp	Ser	Pro	Ala	Lys	Ser	Leu	Val	Asp	Ile	Asp	Leu
1				5					10					15
Ser	Ser	Leu	Arg	Asp	Pro	Ala	Gly	Ile	Phe	Glu	Leu	Val	Glu	Val
				20					25					30
Val	Gly	Asn	Gly	Thr	Tyr	Gly	Gln	Val	Tyr	Lys	Gly	Arg	His	Val
				35					40					45
Lys	Thr	Gly	Gln	Leu	Ala	Ala	Ile	Lys	Val	Met	Asp	Val	Thr	Glu
				50					55					60
Asp	Glu	Glu	Glu	Glu	Ile	Lys	Leu	Glu	Ile	Asn	Met	Leu	Lys	Lys
				65					70					75
Tyr	Ser	His	His	Arg	Asn	Ile	Ala	Thr	Tyr	Tyr	Gly	Ala	Phe	Ile
				80					85					90
Lys	Lys	Ser	Pro	Pro	Gly	His	Asp	Asp	Gln	Leu	Trp	Leu	Val	Met
				95					100					105
Glu	Phe	Cys	Gly	Ala	Gly	Ser	Ile	Thr	Asp	Leu	Val	Lys	Asn	Thr
				110					115					120

Lys	Gly	Asn	Thr	Leu	Lys	Glu	Asp	Trp	Ile	Ala	Tyr	Ile	Ser	Arg
				125					130					135
Glu	Ile	Leu	Arg	Gly	Leu	Ala	His	Leu	His	Ile	His	His	Val	Ile
				140					145					150
His	Arg	Asp	Ile	Lys	Gly	Gln	Asn	Val	Leu	Leu	Thr	Glu	Asn	Ala
				155					160					165
Gly	Val	Lys	Leu	Val	Asp	Phe	Gly	Val	Ser	Ala	Gln	Leu	Asp	Arg
				170					175					180
Thr	Val	Gly	Arg	Arg	Asn	Thr	Phe	Ile	Gly	Thr	Pro	Tyr	Trp	Met
				185					190					195
Ala	Pro	Glu	Val	Ile	Ala	Cys	Asp	Glu	Asn	Pro	Asp	Ala	Thr	Tyr
				200					205					210
Asp	Tyr	Arg	Ser	Asp	Leu	Trp	Ser	Cys	Gly	Ile	Thr	Ala	Ile	Glu
				215					220					225
Met	Ala	Glu	Gly	Ala	Pro	Pro	Leu	Cys	Asp	Met	His	Pro	Met	Arg
				230					235					240
Ala	Leu	Phe	Leu	Ile	Pro	Arg	Asn	Pro	Pro	Pro	Arg	Leu	Lys	Ser
				245					250					255
Lys	Lys	Trp	Ser	Lys	Lys	Phe	Phe	Ser	Phe	Ile	Glu	Gly	Cys	Leu
				260					265					270
Val	Lys	Asn	Tyr	Met	Gln	Arg	Pro	Ser	Thr	Glu	Gln	Leu	Leu	Lys
				275					280					285
His	Pro	Phe	Ile	Arg	Asp	Gln	Pro	Asn	Glu	Arg	Gln	Val	Arg	Ile
				290					295					300
Gln	Leu	Lys	Asp	His	Ile	Asp	Arg	Thr	Arg	Lys	Lys	Arg	Gly	Glu
				305					310					315
Lys	Asp	Glu	Thr	Glu	Tyr	Glu	Tyr	Ser	Gly	Ser	Glu	Glu	Glu	Glu
				320					325					330
Glu	Glu	Val	Pro	Glu	Gln	Glu	Gly	Glu	Pro	Ser	Ser	Ile	Val	Asn
				335					340					345
Val	Pro	Gly	Glu	Ser	Thr	Leu	Arg	Arg	Asp	Phe	Leu	Arg	Leu	Gln
				350					355					360
Gln	Glu	Asn	Lys	Glu	Arg	Ser	Glu	Ala	Leu	Arg	Arg	Gln	Gln	Leu
				365					370					375
Leu	Gln	Glu	Gln	Gln	Leu	Arg	Glu	Gln	Glu	Glu	Tyr	Lys	Arg	Gln
				380					385					390
Leu	Leu	Ala	Glu	Arg	Gln	Lys	Arg	Ile	Glu	Gln	Gln	Lys	Glu	Gln
				395					400					405
Arg	Arg	Arg	Leu	Glu	Glu	Gln	Gln	Arg	Arg	Glu	Arg	Glu	Ala	Arg
				410					415					420
Arg	Gln	Gln	Glu	Arg	Glu	Gln	Arg	Arg	Arg	Glu	Gln	Glu	Glu	Lys
				425					430					435
Arg	Arg	Leu	Glu	Glu	Leu	Glu	Arg	Arg	Arg	Lys	Glu	Glu	Glu	Glu
				440					445					450
Arg	Arg	Arg	Ala	Glu	Glu	Glu	Lys	Arg	Arg	Val	Glu	Arg	Glu	Gln
				455					460					465
Glu	Tyr	Ile	Arg	Arg	Gln	Leu	Glu	Glu	Glu	Gln	Arg	His	Leu	Glu
				470					475					480
Val	Leu	Gln	Gln	Gln	Leu	Leu	Gln	Glu	Gln	Ala	Met	Leu	Leu	His
				485					490					495
Asp	His	Arg	Arg	Pro	His	Pro	Gln	His	Ser	Gln	Gln	Pro	Pro	Pro
				500					505					510
Pro	Gln	Gln	Glu	Arg	Ser	Lys	Pro	Ser	Phe	His	Ala	Pro	Glu	Pro
				515					520					525
Lys	Ala	His	Tyr	Glu	Pro	Ala	Asp	Arg	Ala	Arg	Glu	Val	Pro	Val
				530					535					540
Arg	Thr	Thr	Ser	Arg	Ser	Pro	Val	Leu	Ser	Arg	Arg	Asp	Ser	Pro
				545					550					555
Leu	Gln	Gly	Ser	Gly	Gln	Gln	Asn	Ser	Gln	Ala	Gly	Gln	Arg	Asn

				560					565				570
Ser	Thr	Ser	Ile	Glu	Pro	Arg	Leu	Leu	Trp	Glu	Arg	Val	Lys
				575					580				585
Leu	Val	Pro	Arg	Pro	Gly	Ser	Gly	Ser	Ser	Ser	Gly	Ser	Asn
				590					595				600
Ser	Gly	Ser	Gln	Pro	Gly	Ser	His	Pro	Gly	Ser	Gln	Ser	Gly
				605					610				615
Gly	Glu	Arg	Phe	Arg	Val	Arg	Ser	Ser	Ser	Lys	Ser	Glu	Gly
				620					625				630
Pro	Ser	Gln	Arg	Leu	Glu	Asn	Ala	Val	Lys	Lys	Pro	Glu	Asp
				635					640				645
Lys	Glu	Val	Phe	Arg	Pro	Leu	Lys	Pro	Ala	Asp	Leu	Thr	Ala
				650					655				660
Ala	Lys	Glu	Leu	Arg	Ala	Val	Glu	Asp	Val	Arg	Pro	Pro	His
				665					670				675
Val	Thr	Asp	Tyr	Ser	Ser	Ser	Ser	Glu	Glu	Ser	Gly	Thr	Thr
				680					685				690
Glu	Glu	Asp	Asp	Asp	Val	Glu	Gln	Glu	Gly	Ala	Asp	Glu	Ser
				695					700				705
Ser	Gly	Pro	Glu	Asp	Thr	Arg	Ala	Ala	Ser	Ser	Leu	Asn	Leu
				710					715				720
Asn	Gly	Glu	Thr	Glu	Ser	Val	Lys	Thr	Met	Ile	Val	His	Asp
				725					730				735
Val	Glu	Ser	Glu	Pro	Ala	Met	Thr	Pro	Ser	Lys	Glu	Gly	Thr
				740					745				750
Ile	Val	Arg	Gln	Thr	Gln	Ser	Ala	Ser	Ser	Thr	Leu	Gln	Lys
				755					760				765
Lys	Ser	Ser	Ser	Ser	Phe	Thr	Pro	Phe	Ile	Asp	Pro	Arg	Leu
				770					775				780
Gln	Ile	Ser	Pro	Ser	Ser	Gly	Thr	Thr	Val	Thr	Ser	Val	Val
				785					790				795
Phe	Ser	Cys	Asp	Gly	Met	Arg	Pro	Glu	Ala	Ile	Arg	Gln	Asp
				800					805				810
Thr	Arg	Lys	Gly	Ser	Val	Val	Asn	Val	Asn	Pro	Thr	Asn	Thr
				815					820				825
Pro	Gln	Ser	Asp	Thr	Pro	Glu	Ile	Arg	Lys	Tyr	Lys	Lys	Arg
				830					835				840
Asn	Ser	Glu	Ile	Leu	Cys	Ala	Ala	Leu	Trp	Gly	Val	Asn	Leu
				845					850				855
Val	Gly	Thr	Glu	Ser	Gly	Leu	Met	Leu	Leu	Asp	Arg	Ser	Gly
				860					865				870
Gly	Lys	Val	Tyr	Pro	Leu	Ile	Asn	Arg	Arg	Arg	Phe	Gln	Gln
				875					880				885
Asp	Val	Leu	Glu	Gly	Leu	Asn	Val	Leu	Val	Thr	Ile	Ser	Gly
				890					895				900
Lys	Asp	Lys	Leu	Arg	Val	Tyr	Tyr	Leu	Ser	Trp	Leu	Arg	Asn
				905					910				915
Ile	Leu	His	Asn	Asp	Pro	Glu	Val	Glu	Lys	Lys	Gln	Gly	Trp
				920					925				930
Thr	Val	Gly	Asp	Leu	Glu	Gly	Cys	Val	His	Tyr	Lys	Val	Val
				935					940				945
Tyr	Glu	Arg	Ile	Lys	Phe	Leu	Val	Ile	Ala	Leu	Lys	Ser	Ser
				950					955				960
Glu	Val	Tyr	Ala	Trp	Ala	Pro	Lys	Pro	Tyr	His	Lys	Phe	Met
				965					970				975
Phe	Lys	Ser	Phe	Gly	Glu	Leu	Val	His	Gly	Ser	Cys	Ala	Gly
				980					985				990
His	Ala	Val	Asp	Val	Asp	Ser	Gly	Ser	Val	Tyr	Asp	Ile	Tyr
				995					1000				1005

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Pro	Thr	His	Ile	Gln	Cys	Ser	Ile	Lys	Pro	His	Ala	Ile	Ile	Ile	
			1010						1015					1020	
Leu	Pro	Asn	Thr	Asp	Gly	Met	Glu	Leu	Leu	Val	Cys	Tyr	Glu	Asp	
			1025						1030					1035	
Glu	Gly	Val	Tyr	Val	Asn	Thr	Tyr	Gly	Arg	Ile	Thr	Lys	Asp	Val	
			1040						1045					1050	
Val	Leu	Gln	Trp	Gly	Glu	Met	Pro	Thr	Ser	Val	Ala	Tyr	Ile	Arg	
			1055						1060					1065	
Ser	Asn	Gln	Thr	Met	Gly	Trp	Gly	Glu	Lys	Ala	Ile	Glu	Ile	Arg	
			1070						1075					1080	
Ser	Val	Glu	Thr	Gly	His	Leu	Asp	Gly	Val	Phe	Met	His	Lys	Arg	
			1085						1090					1095	
Ala	Gln	Arg	Leu	Lys	Phe	Leu	Cys	Glu	Arg	Asn	Asp	Lys	Val	Phe	
			1100						1105					1110	
Phe	Ala	Ser	Val	Arg	Ser	Gly	Gly	Ser	Ser	Gln	Val	Tyr	Phe	Met	
			1115						1120					1125	
Thr	Leu	Gly	Arg	Thr	Ser	Leu	Leu	Ser	Trp						
			1130						1135						

<210> 17

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 209854CD1

<400> 17

Met	Pro	Thr	Asn	Cys	Ala	Ala	Ala	Gly	Cys	Ala	Thr	Thr	Tyr	Asn	
1				5					10					15	
Lys	His	Ile	Asn	Ile	Ser	Phe	His	Arg	Phe	Pro	Leu	Asp	Pro	Lys	
			20						25					30	
Arg	Arg	Lys	Glu	Trp	Val	Arg	Leu	Val	Arg	Arg	Lys	Asn	Phe	Val	
			35						40					45	
Pro	Gly	Lys	His	Thr	Phe	Leu	Cys	Ser	Lys	His	Phe	Glu	Ala	Ser	
			50						55					60	
Cys	Phe	Asp	Leu	Thr	Gly	Gln	Thr	Arg	Arg	Leu	Lys	Met	Asp	Ala	
			65						70					75	
Val	Pro	Thr	Ile	Phe	Asp	Phe	Cys	Thr	His	Ile	Lys	Ser	Met	Lys	
			80						85					90	
Leu	Lys	Ser	Arg	Asn	Leu	Leu	Lys	Lys	Asn	Asn	Ser	Cys	Ser	Pro	
			95						100					105	
Ala	Gly	Pro	Ser	Asn	Leu	Lys	Ser	Asn	Ile	Ser	Ser	Gln	Gln	Val	
			110						115					120	
Leu	Leu	Glu	His	Ser	Tyr	Ala	Phe	Arg	Asn	Pro	Met	Glu	Ala	Lys	
			125						130					135	
Lys	Arg	Ile	Ile	Lys	Leu	Glu	Lys	Glu	Ile	Ala	Ser	Leu	Arg	Arg	
			140						145					150	
Lys	Met	Lys	Thr	Cys	Leu	Gln	Lys	Glu	Arg	Arg	Ala	Thr	Arg	Arg	
			155						160					165	
Trp	Ile	Lys	Ala	Thr	Cys	Leu	Val	Lys	Asn	Leu	Glu	Ala	Asn	Ser	
			170						175					180	
Val	Leu	Pro	Lys	Gly	Thr	Ser	Glu	His	Met	Leu	Pro	Thr	Ala	Leu	
			185						190					195	
Ser	Ser	Leu	Pro	Leu	Glu	Asp	Phe	Lys	Ile	Leu	Glu	Gln	Asp	Gln	
			200						205					210	
Gln	Asp	Lys	Thr	Leu	Leu	Ser	Leu	Asn	Leu	Lys	Gln	Thr	Lys	Ser	
			215						220					225	

PF-0565 USN

Thr Phe Ile

<210> 18

<211> 503

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1384286CD1

<400> 18

Met	Ala	Thr	Thr	Val	Thr	Cys	Thr	Arg	Phe	Thr	Asp	Glu	Tyr	Gln
1				5					10					15
Leu	Tyr	Glu	Asp	Ile	Gly	Lys	Gly	Ala	Phe	Ser	Val	Val	Arg	Arg
				20					25					30
Cys	Val	Lys	Leu	Cys	Thr	Gly	His	Glu	Tyr	Ala	Ala	Lys	Ile	Ile
				35					40					45
Asn	Thr	Lys	Lys	Leu	Ser	Ala	Arg	Asp	His	Gln	Lys	Leu	Glu	Arg
				50					55					60
Glu	Ala	Arg	Ile	Cys	Arg	Leu	Leu	Lys	His	Ser	Asn	Ile	Val	Arg
				65					70					75
Leu	His	Asp	Ser	Ile	Ser	Glu	Glu	Gly	Phe	His	Tyr	Leu	Val	Phe
				80					85					90
Asp	Leu	Val	Thr	Gly	Gly	Glu	Leu	Phe	Glu	Asp	Ile	Val	Ala	Arg
				95					100					105
Glu	Tyr	Tyr	Ser	Glu	Ala	Asp	Ala	Ser	His	Cys	Ile	Gln	Gln	Ile
				110					115					120
Leu	Glu	Ala	Val	Leu	His	Cys	His	Gln	Met	Gly	Val	Val	His	Arg
				125					130					135
Asp	Leu	Lys	Pro	Glu	Asn	Leu	Leu	Leu	Ala	Ser	Lys	Cys	Lys	Gly
				140					145					150
Ala	Ala	Val	Lys	Leu	Ala	Asp	Phe	Gly	Leu	Ala	Ile	Glu	Val	Gln
				155					160					165
Gly	Asp	Gln	Gln	Ala	Trp	Phe	Gly	Phe	Ala	Gly	Thr	Pro	Gly	Tyr
				170					175					180
Leu	Ser	Pro	Glu	Val	Leu	Arg	Lys	Glu	Ala	Tyr	Gly	Lys	Pro	Val
				185					190					195
Asp	Ile	Trp	Ala	Cys	Gly	Val	Ile	Leu	Tyr	Ile	Leu	Leu	Val	Gly
				200					205					210
Tyr	Pro	Pro	Phe	Trp	Asp	Glu	Asp	Gln	His	Lys	Leu	Tyr	Gln	Gln
				215					220					225
Ile	Lys	Ala	Gly	Ala	Tyr	Asp	Phe	Pro	Ser	Pro	Glu	Trp	Asp	Thr
				230					235					240
Val	Thr	Pro	Glu	Ala	Lys	Asn	Leu	Ile	Asn	Gln	Met	Leu	Thr	Ile
				245					250					255
Asn	Pro	Ala	Lys	Arg	Ile	Thr	Ala	His	Glu	Ala	Leu	Lys	His	Pro
				260					265					270
Trp	Val	Cys	Gln	Arg	Ser	Thr	Val	Ala	Ser	Met	Met	His	Arg	Gln
				275					280					285
Glu	Thr	Val	Glu	Cys	Leu	Lys	Lys	Phe	Asn	Ala	Arg	Arg	Lys	Leu
				290					295					300
Lys	Gly	Ala	Ile	Leu	Thr	Thr	Met	Leu	Ala	Thr	Arg	Asn	Phe	Ser
				305					310					315
Ala	Ala	Lys	Ser	Leu	Leu	Asn	Lys	Lys	Ala	Asp	Gly	Val	Lys	Pro
				320					325					330
His	Thr	Asn	Ser	Thr	Lys	Asn	Ser	Ala	Ala	Ala	Thr	Ser	Pro	Lys
				335					340					345

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Gly	Thr	Leu	Pro	Pro	Ala	Ala	Leu	Glu	Ser	Ser	Asp	Ser	Ala	Asn
				350					355					360
Thr	Thr	Ile	Glu	Asp	Glu	Asp	Ala	Lys	Ala	Arg	Lys	Gln	Glu	Ile
				365					370					375
Ile	Lys	Thr	Thr	Glu	Gln	Leu	Ile	Glu	Ala	Val	Asn	Asn	Gly	Asp
				380					385					390
Phe	Glu	Ala	Tyr	Ala	Lys	Ile	Cys	Asp	Pro	Gly	Leu	Thr	Ser	Phe
				395					400					405
Glu	Pro	Glu	Ala	Leu	Gly	Asn	Leu	Val	Glu	Gly	Met	Asp	Phe	His
				410					415					420
Arg	Phe	Tyr	Phe	Glu	Asn	Leu	Leu	Ala	Lys	Asn	Ser	Lys	Pro	Ile
				425					430					435
His	Thr	Thr	Ile	Leu	Asn	Pro	His	Val	His	Val	Ile	Gly	Glu	Asp
				440					445					450
Ala	Ala	Cys	Ile	Ala	Tyr	Ile	Arg	Leu	Thr	Gln	Tyr	Ile	Asp	Gly
				455					460					465
Gln	Gly	Arg	Pro	Arg	Thr	Ser	Gln	Ser	Glu	Glu	Thr	Arg	Val	Trp
				470					475					480
His	Arg	Arg	Asp	Gly	Lys	Trp	Gln	Asn	Val	His	Phe	His	Cys	Ser
				485					490					495
Gly	Ala	Pro	Val	Ala	Pro	Leu	Gln							
				500										

<210> 19
 <211> 433
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1512656CD1

<400>	19													
Met	Thr	Gly	Glu	Ala	Gln	Ala	Gly	Arg	Lys	Arg	Ser	Arg	Ala	Arg
1				5					10					15
Pro	Glu	Gly	Thr	Glu	Pro	Val	Arg	Arg	Glu	Arg	Thr	Gln	Pro	Gly
				20					25					30
Leu	Gly	Pro	Gly	Arg	Ala	Arg	Ala	Met	Ala	Ala	Glu	Ala	Thr	Ala
				35					40					45
Val	Ala	Gly	Ser	Gly	Ala	Val	Gly	Gly	Cys	Leu	Ala	Lys	Asp	Gly
				50					55					60
Leu	Gln	Gln	Ser	Lys	Cys	Pro	Asp	Thr	Thr	Pro	Lys	Arg	Arg	Arg
				65					70					75
Ala	Ser	Ser	Leu	Ser	Arg	Asp	Ala	Glu	Arg	Arg	Ala	Tyr	Gln	Trp
				80					85					90
Cys	Arg	Glu	Tyr	Leu	Gly	Gly	Ala	Trp	Arg	Arg	Val	Gln	Pro	Glu
				95					100					105
Glu	Leu	Arg	Val	Tyr	Pro	Val	Ser	Gly	Gly	Leu	Ser	Asn	Leu	Leu
				110					115					120
Phe	Arg	Cys	Ser	Leu	Pro	Asp	His	Leu	Pro	Ser	Val	Gly	Glu	Glu
				125					130					135
Pro	Arg	Glu	Val	Leu	Leu	Arg	Leu	Tyr	Gly	Ala	Ile	Leu	Gln	Gly
				140					145					150
Val	Asp	Ser	Leu	Val	Leu	Glu	Ser	Val	Met	Phe	Ala	Ile	Leu	Ala
				155					160					165
Glu	Arg	Ser	Leu	Gly	Pro	Gln	Leu	Tyr	Gly	Val	Phe	Pro	Glu	Gly
				170					175					180
Arg	Leu	Glu	Gln	Tyr	Ile	Pro	Ser	Arg	Pro	Leu	Lys	Thr	Gln	Glu
				185					190					195

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Leu	Arg	Glu	Pro	Val	Leu	Ser	Ala	Ala	Ile	Ala	Thr	Lys	Met	Ala	
				200					205						210
Gln	Phe	His	Gly	Met	Glu	Met	Pro	Phe	Thr	Lys	Glu	Pro	His	Trp	
				215					220						225
Leu	Phe	Gly	Thr	Met	Glu	Arg	Tyr	Leu	Lys	Gln	Ile	Gln	Asp	Leu	
				230					235						240
Pro	Pro	Thr	Gly	Leu	Pro	Glu	Met	Asn	Leu	Leu	Glu	Met	Tyr	Ser	
				245					250						255
Leu	Lys	Asp	Glu	Met	Gly	Asn	Leu	Arg	Lys	Leu	Leu	Glu	Ser	Thr	
				260					265						270
Pro	Ser	Pro	Val	Val	Phe	Cys	His	Asn	Asp	Ile	Gln	Glu	Gly	Asn	
				275					280						285
Ile	Leu	Leu	Leu	Ser	Glu	Pro	Glu	Asn	Ala	Asp	Ser	Leu	Met	Leu	
				290					295						300
Val	Asp	Phe	Glu	Tyr	Ser	Ser	Tyr	Asn	Tyr	Arg	Gly	Phe	Asp	Ile	
				305					310						315
Gly	Asn	His	Phe	Cys	Glu	Trp	Val	Tyr	Asp	Tyr	Thr	His	Glu	Glu	
				320					325						330
Trp	Pro	Phe	Tyr	Lys	Ala	Arg	Pro	Thr	Asp	Tyr	Pro	Thr	Gln	Glu	
				335					340						345
Gln	Gln	Leu	His	Phe	Ile	Arg	His	Tyr	Leu	Ala	Glu	Ala	Lys	Lys	
				350					355						360
Gly	Glu	Thr	Leu	Ser	Gln	Glu	Glu	Gln	Arg	Lys	Leu	Glu	Glu	Asp	
				365					370						375
Leu	Leu	Val	Glu	Val	Ser	Arg	Tyr	Ala	Leu	Ala	Ser	His	Phe	Phe	
				380					385						390
Trp	Gly	Leu	Trp	Ser	Ile	Leu	Gln	Ala	Ser	Met	Ser	Thr	Ile	Glu	
				395					400						405
Phe	Gly	Tyr	Leu	Asp	Tyr	Ala	Gln	Ser	Arg	Phe	Gln	Phe	Tyr	Phe	
				410					415						420
Gln	Gln	Lys	Gly	Gln	Leu	Thr	Ser	Val	His	Ser	Ser	Ser			
				425					430						

<210> 20

<211> 527

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2098635CD1

<400> 20

Met	Ser	Leu	Cys	Gly	Ala	Arg	Ala	Asn	Ala	Lys	Met	Met	Ala	Ala	
1				5					10						15
Tyr	Asn	Gly	Gly	Thr	Ser	Ala	Ala	Ala	Ala	Gly	His	His	His	His	
				20					25						30
His	His	His	His	Leu	Pro	His	Leu	Pro	Pro	Pro	His	Leu	Leu	His	
				35					40						45
His	His	His	Pro	Gln	His	His	Leu	His	Pro	Gly	Ser	Ala	Ala	Ala	
				50					55						60
Val	His	Pro	Val	Gln	Gln	His	Thr	Ser	Ser	Ala	Ala	Ala	Ala	Ala	
				65					70						75
Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Met	Leu	Asn	Pro	Gly	Gln	Gln
				80					85						90
Gln	Pro	Tyr	Phe	Pro	Ser	Pro	Ala	Pro	Gly	Gln	Ala	Pro	Gly	Pro	
				95					100						105
Ala	Ala	Ala	Ala	Pro	Ala	Gln	Val	Gln	Ala	Ala	Ala	Ala	Ala	Ala	Thr
				110					115						120

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Val	Lys	Ala	His	His	His	Gln	His	Ser	His	His	Pro	Gln	Gln	Gln	125	130	135
Leu	Asp	Ile	Glu	Pro	Asp	Arg	Pro	Ile	Gly	Tyr	Gly	Ala	Phe	Gly	140	145	150
Val	Val	Trp	Ser	Val	Thr	Asp	Pro	Arg	Asp	Gly	Lys	Arg	Val	Ala	155	160	165
Leu	Lys	Lys	Met	Pro	Asn	Val	Phe	Gln	Asn	Leu	Val	Ser	Cys	Lys	170	175	180
Arg	Val	Phe	Arg	Glu	Leu	Lys	Met	Leu	Cys	Phe	Phe	Lys	His	Asp	185	190	195
Asn	Val	Leu	Ser	Ala	Leu	Asp	Ile	Leu	Gln	Pro	Pro	His	Ile	Asp	200	205	210
Tyr	Phe	Glu	Glu	Ile	Tyr	Val	Val	Thr	Glu	Leu	Met	Gln	Ser	Asp	215	220	225
Leu	His	Lys	Ile	Ile	Val	Ser	Pro	Gln	Pro	Leu	Ser	Ser	Asp	His	230	235	240
Val	Lys	Val	Phe	Leu	Tyr	Gln	Ile	Leu	Arg	Gly	Leu	Lys	Tyr	Leu	245	250	255
His	Ser	Ala	Gly	Ile	Leu	His	Arg	Asp	Ile	Lys	Pro	Gly	Asn	Leu	260	265	270
Leu	Val	Asn	Ser	Asn	Cys	Val	Leu	Lys	Ile	Cys	Asp	Phe	Gly	Leu	275	280	285
Ala	Arg	Val	Glu	Glu	Leu	Asp	Glu	Ser	Arg	His	Met	Thr	Gln	Glu	290	295	300
Val	Val	Thr	Gln	Tyr	Tyr	Arg	Ala	Pro	Glu	Ile	Leu	Met	Gly	Ser	305	310	315
Arg	His	Tyr	Ser	Asn	Ala	Ile	Asp	Ile	Trp	Ser	Val	Gly	Cys	Ile	320	325	330
Phe	Ala	Glu	Leu	Leu	Gly	Arg	Arg	Ile	Leu	Phe	Gln	Ala	Gln	Ser	335	340	345
Pro	Ile	Gln	Gln	Leu	Asp	Leu	Ile	Thr	Asp	Leu	Leu	Gly	Thr	Pro	350	355	360
Ser	Leu	Glu	Ala	Met	Arg	Thr	Ala	Cys	Glu	Gly	Ala	Lys	Ala	His	365	370	375
Ile	Leu	Arg	Gly	Pro	His	Lys	Gln	Pro	Ser	Leu	Pro	Val	Leu	Tyr	380	385	390
Thr	Leu	Ser	Ser	Gln	Ala	Thr	His	Glu	Ala	Val	His	Leu	Leu	Cys	395	400	405
Arg	Met	Leu	Val	Phe	Asp	Pro	Ser	Lys	Arg	Ile	Ser	Ala	Lys	Asp	410	415	420
Ala	Leu	Ala	His	Pro	Tyr	Leu	Asp	Glu	Gly	Arg	Leu	Arg	Tyr	His	425	430	435
Thr	Cys	Met	Cys	Lys	Cys	Cys	Phe	Ser	Thr	Ser	Thr	Gly	Arg	Val	440	445	450
Tyr	Thr	Ser	Asp	Phe	Glu	Pro	Val	Thr	Asn	Pro	Lys	Phe	Asp	Asp	455	460	465
Thr	Phe	Glu	Lys	Asn	Leu	Ser	Ser	Val	Arg	Gln	Val	Lys	Glu	Ile	470	475	480
Ile	His	Gln	Phe	Ile	Leu	Glu	Gln	Gln	Lys	Gly	Asn	Arg	Val	Pro	485	490	495
Leu	Cys	Ile	Asn	Pro	Gln	Ser	Ala	Ala	Phe	Lys	Ser	Phe	Ile	Ser	500	505	510
Ser	Thr	Val	Ala	Gln	Pro	Ser	Glu	Met	Pro	Pro	Ser	Pro	Leu	Val	515	520	525
Trp	Glu																

<210> 21

<211> 322

PF-0565 USN

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2446646CD1

<400> 21

Met	Glu	Gly	Ile	Ser	Asn	Phe	Lys	Thr	Pro	Ser	Lys	Leu	Ser	Glu
1				5					10					15
Lys	Lys	Lys	Ser	Val	Leu	Cys	Ser	Thr	Pro	Thr	Ile	Asn	Ile	Pro
				20					25					30
Ala	Ser	Pro	Phe	Met	Gln	Lys	Leu	Gly	Phe	Gly	Thr	Gly	Val	Asn
				35					40					45
Val	Tyr	Leu	Met	Lys	Arg	Ser	Pro	Arg	Gly	Leu	Ser	His	Ser	Pro
				50					55					60
Trp	Ala	Val	Lys	Lys	Ile	Asn	Pro	Ile	Cys	Asn	Asp	His	Tyr	Arg
				65					70					75
Ser	Val	Tyr	Gln	Lys	Arg	Leu	Met	Asp	Glu	Ala	Lys	Ile	Leu	Lys
				80					85					90
Ser	Leu	His	His	Pro	Asn	Ile	Val	Gly	Tyr	Arg	Ala	Phe	Thr	Glu
				95					100					105
Ala	Asn	Asp	Gly	Ser	Leu	Cys	Leu	Ala	Met	Glu	Tyr	Gly	Gly	Glu
				110					115					120
Lys	Ser	Leu	Asn	Asp	Leu	Ile	Glu	Glu	Arg	Tyr	Lys	Ala	Ser	Gln
				125					130					135
Asp	Pro	Phe	Pro	Ala	Ala	Ile	Ile	Leu	Lys	Val	Ala	Leu	Asn	Met
				140					145					150
Ala	Arg	Gly	Leu	Lys	Tyr	Leu	His	Gln	Glu	Lys	Lys	Leu	Leu	His
				155					160					165
Gly	Asp	Ile	Lys	Ser	Ser	Asn	Val	Val	Ile	Lys	Gly	Asp	Phe	Glu
				170					175					180
Thr	Ile	Lys	Ile	Cys	Asp	Val	Gly	Val	Ser	Leu	Pro	Leu	Asp	Glu
				185					190					195
Asn	Met	Thr	Val	Thr	Asp	Pro	Glu	Ala	Cys	Tyr	Ile	Gly	Thr	Glu
				200					205					210
Pro	Trp	Lys	Pro	Lys	Glu	Ala	Val	Glu	Glu	Asn	Gly	Val	Ile	Thr
				215					220					225
Asp	Lys	Ala	Asp	Ile	Phe	Ala	Phe	Gly	Leu	Thr	Leu	Trp	Glu	Met
				230					235					240
Met	Thr	Leu	Ser	Ile	Pro	His	Ile	Asn	Leu	Ser	Asn	Asp	Asp	Asp
				245					250					255
Asp	Glu	Asp	Lys	Thr	Phe	Asp	Glu	Ser	Asp	Phe	Asp	Asp	Glu	Ala
				260					265					270
Tyr	Tyr	Ala	Ala	Leu	Gly	Thr	Arg	Pro	Pro	Ile	Asn	Met	Glu	Glu
				275					280					285
Leu	Asp	Glu	Ser	Tyr	Gln	Lys	Val	Ile	Glu	Leu	Phe	Ser	Val	Cys
				290					295					300
Thr	Asn	Glu	Asp	Pro	Lys	Asp	Arg	Pro	Ser	Ala	Ala	His	Ile	Val
				305					310					315
Glu	Ala	Leu	Glu	Thr	Asp	Val								
				320										

<210> 22

<211> 802

<212> PRT

<213> Homo sapiens

<220>

PF-0565 USN

<221> misc_feature

<223> Incyte ID No: 2764911CD1

<400> 22

Met	Glu	Glu	Glu	Gly	Gly	Ser	Ser	Gly	Gly	Ala	Ala	Gly	Thr	Ser
1				5					10					15
Ala	Asp	Gly	Gly	Asp	Gly	Gly	Glu	Gln	Leu	Leu	Thr	Val	Lys	His
				20					25					30
Glu	Leu	Arg	Thr	Ala	Asn	Leu	Thr	Gly	His	Ala	Glu	Lys	Val	Gly
				35					40					45
Ile	Glu	Asn	Phe	Glu	Leu	Leu	Lys	Val	Leu	Gly	Thr	Gly	Ala	Tyr
				50					55					60
Gly	Lys	Val	Phe	Leu	Val	Arg	Lys	Ile	Ser	Gly	His	Asp	Thr	Gly
				65					70					75
Lys	Leu	Tyr	Ala	Met	Lys	Val	Leu	Lys	Lys	Ala	Thr	Ile	Val	Gln
				80					85					90
Lys	Ala	Lys	Thr	Thr	Glu	His	Thr	Arg	Thr	Glu	Arg	Gln	Val	Leu
				95					100					105
Glu	His	Ile	Arg	Gln	Ser	Pro	Phe	Leu	Val	Thr	Leu	His	Tyr	Ala
				110					115					120
Phe	Gln	Thr	Glu	Thr	Lys	Leu	His	Leu	Ile	Leu	Asp	Tyr	Ile	Asn
				125					130					135
Gly	Gly	Glu	Leu	Phe	Thr	His	Leu	Ser	Gln	Arg	Glu	Arg	Phe	Thr
				140					145					150
Glu	His	Glu	Val	Gln	Ile	Tyr	Val	Gly	Glu	Ile	Val	Leu	Ala	Leu
				155					160					165
Glu	His	Leu	His	Lys	Leu	Gly	Ile	Ile	Tyr	Arg	Asp	Ile	Lys	Leu
				170					175					180
Glu	Asn	Ile	Leu	Leu	Asp	Ser	Asn	Gly	His	Val	Val	Leu	Thr	Asp
				185					190					195
Phe	Gly	Leu	Ser	Lys	Glu	Phe	Val	Ala	Asp	Glu	Thr	Glu	Arg	Ala
				200					205					210
Tyr	Ser	Phe	Cys	Gly	Thr	Ile	Glu	Tyr	Met	Ala	Pro	Asp	Ile	Val
				215					220					225
Arg	Gly	Gly	Asp	Ser	Gly	His	Asp	Lys	Ala	Val	Asp	Trp	Trp	Ser
				230					235					240
Leu	Gly	Val	Leu	Met	Tyr	Glu	Leu	Leu	Thr	Gly	Ala	Ser	Pro	Phe
				245					250					255
Thr	Val	Asp	Gly	Glu	Lys	Asn	Ser	Gln	Ala	Glu	Ile	Ser	Arg	Arg
				260					265					270
Ile	Leu	Lys	Ser	Glu	Pro	Pro	Tyr	Pro	Gln	Glu	Met	Ser	Ala	Leu
				275					280					285
Ala	Lys	Asp	Leu	Ile	Gln	Arg	Leu	Leu	Met	Lys	Asp	Pro	Lys	Lys
				290					295					300
Arg	Leu	Gly	Cys	Gly	Pro	Arg	Asp	Ala	Asp	Glu	Ile	Lys	Glu	His
				305					310					315
Leu	Phe	Phe	Gln	Lys	Ile	Asn	Trp	Asp	Asp	Leu	Ala	Ala	Lys	Lys
				320					325					330
Val	Pro	Ala	Pro	Phe	Lys	Pro	Val	Ile	Arg	Asp	Glu	Leu	Asp	Val
				335					340					345
Ser	Asn	Phe	Ala	Glu	Glu	Phe	Thr	Glu	Met	Asp	Pro	Thr	Tyr	Ser
				350					355					360
Pro	Ala	Ala	Leu	Pro	Gln	Ser	Ser	Glu	Lys	Leu	Phe	Gln	Gly	Tyr
				365					370					375
Ser	Phe	Val	Ala	Pro	Ser	Ile	Leu	Phe	Lys	Arg	Asn	Ala	Ala	Val
				380					385					390
Ile	Asp	Pro	Leu	Gln	Phe	His	Met	Gly	Val	Glu	Arg	Pro	Gly	Val
				395					400					405
Thr	Asn	Val	Ala	Arg	Ser	Ala	Met	Met	Lys	Asp	Ser	Pro	Phe	Tyr

	410		415		420
Gln His Tyr Asp	Leu Asp Leu Lys Asp	Lys Pro Leu Gly Glu	Gly		
	425		430		435
Ser Phe Ser Ile	Cys Arg Lys Cys Val	His Lys Lys Ser Asn	Gln		
	440		445		450
Ala Phe Ala Val	Lys Ile Ile Ser Lys	Arg Met Glu Ala Asn	Thr		
	455		460		465
Gln Lys Glu Ile	Thr Ala Leu Glu Leu	Cys Glu Gly His Pro	Asn		
	470		475		480
Ile Val Lys Leu	His Glu Val Phe His	Asp Gln Leu His Thr	Phe		
	485		490		495
Leu Val Met Glu	Leu Leu Asn Gly Gly	Glu Leu Phe Glu Arg	Ile		
	500		505		510
Lys Lys Lys Lys	His Phe Ser Glu Thr	Glu Ala Ser Tyr Ile	Met		
	515		520		525
Arg Lys Leu Val	Ser Ala Val Ser His	Met His Asp Val Gly	Val		
	530		535		540
Val His Arg Asp	Leu Lys Pro Glu Asn	Leu Leu Phe Thr Asp	Glu		
	545		550		555
Asn Asp Asn Leu	Glu Ile Lys Ile Ile	Asp Phe Gly Phe Ala	Arg		
	560		565		570
Leu Lys Pro Pro	Asp Asn Gln Pro Leu	Lys Thr Pro Cys Phe	Thr		
	575		580		585
Leu His Tyr Ala	Ala Pro Glu Leu Leu	Asn Gln Asn Gly Tyr	Asp		
	590		595		600
Glu Ser Cys Asp	Leu Trp Ser Leu Gly	Val Ile Leu Tyr Thr	Met		
	605		610		615
Leu Ser Gly Gln	Val Pro Phe Gln Ser	His Asp Arg Ser Leu	Thr		
	620		625		630
Cys Thr Ser Ala	Val Glu Ile Met Lys	Lys Ile Lys Lys Gly	Asp		
	635		640		645
Phe Ser Phe Glu	Gly Glu Ala Trp Lys	Asn Val Ser Gln Glu	Ala		
	650		655		660
Lys Asp Leu Ile	Gln Gly Leu Leu Thr	Val Asp Pro Asn Lys	Arg		
	665		670		675
Leu Lys Met Ser	Gly Leu Arg Tyr Asn	Glu Trp Leu Gln Asp	Gly		
	680		685		690
Ser Gln Leu Ser	Ser Asn Pro Leu Met	Thr Pro Asp Ile Leu	Gly		
	695		700		705
Ser Ser Gly Ala	Ala Val His Thr Cys	Val Lys Ala Thr Phe	His		
	710		715		720
Ala Phe Asn Lys	Tyr Lys Arg Glu Gly	Phe Cys Leu Gln Asn	Val		
	725		730		735
Asp Lys Ala Pro	Leu Ala Lys Arg Arg	Lys Met Lys Lys Thr	Ser		
	740		745		750
Thr Ser Thr Glu	Thr Arg Ser Ser Ser	Ser Glu Ser Ser His	Ser		
	755		760		765
Ser Ser Ser His	Ser His Gly Lys Thr	Thr Pro Thr Lys Thr	Leu		
	770		775		780
Gln Pro Ser Asn	Pro Ala Asp Ser Asn	Asn Pro Glu Thr Leu	Phe		
	785		790		795
Gln Phe Ser Asp	Ser Val Ala				
	800				

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 <212> PRT
 <213> Homo sapiens

PF-0565 USN

<220>

<221> misc_feature

<223> Incyte ID No: 3013946CD1

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Leu	Tyr	Glu	Asp	Ile	Gly	Lys	Gly	Ala	Phe	Ser	Val	Val	Arg	Arg
				20					25					30
Cys	Val	Lys	Leu	Cys	Thr	Gly	His	Glu	Tyr	Ala	Ala	Lys	Ile	Ile
				35					40					45
Asn	Thr	Lys	Lys	Leu	Ser	Ala	Arg	Asp	His	Gln	Lys	Leu	Glu	Arg
				50					55					60
Glu	Ala	Arg	Ile	Cys	Arg	Leu	Leu	Lys	His	Ser	Asn	Ile	Val	Arg
				65					70					75
Leu	His	Asp	Ser	Ile	Ser	Glu	Glu	Gly	Phe	His	Tyr	Leu	Val	Phe
				80					85					90
Asp	Leu	Val	Thr	Gly	Gly	Glu	Leu	Phe	Glu	Asp	Ile	Val	Ala	Arg
				95					100					105
Glu	Tyr	Tyr	Ser	Glu	Ala	Asp	Ala	Ser	His	Cys	Ile	Gln	Gln	Ile
				110					115					120
Leu	Glu	Ala	Val	Leu	His	Cys	His	Gln	Met	Gly	Val	Val	His	Arg
				125					130					135
Asp	Leu	Lys	Pro	Glu	Asn	Leu	Leu	Leu	Ala	Ser	Lys	Cys	Lys	Gly
				140					145					150
Ala	Ala	Val	Lys	Leu	Ala	Asp	Phe	Gly	Leu	Ala	Ile	Glu	Val	Gln
				155					160					165
Gly	Asp	Gln	Gln	Ala	Trp	Phe	Gly	Phe	Ala	Gly	Thr	Pro	Gly	Tyr
				170					175					180
Leu	Ser	Pro	Glu	Val	Leu	Arg	Lys	Glu	Ala	Tyr	Gly	Lys	Pro	Val
				185					190					195
Asp	Ile	Trp	Ala	Cys	Gly	Val	Ile	Leu	Tyr	Ile	Leu	Leu	Val	Gly
				200					205					210
Tyr	Pro	Pro	Phe	Trp	Asp	Glu	Asp	Gln	His	Lys	Leu	Tyr	Gln	Gln
				215					220					225
Ile	Lys	Ala	Gly	Ala	Tyr	Asp	Phe	Pro	Ser	Pro	Glu	Trp	Asp	Thr
				230					235					240
Val	Thr	Pro	Glu	Ala	Lys	Asn	Leu	Ile	Asn	Gln	Met	Leu	Thr	Ile
				245					250					255
Asn	Pro	Ala	Lys	Arg	Ile	Thr	Ala	His	Glu	Ala	Leu	Lys	His	Pro
				260					265					270
Trp	Val	Cys	Gln	Arg	Ser	Thr	Val	Ala	Ser	Met	Met	His	Arg	Gln
				275					280					285
Glu	Thr	Val	Glu	Cys	Leu	Lys	Lys	Phe	Asn	Ala	Arg	Arg	Lys	Leu
				290					295					300
Lys	Gly	Ala	Ile	Leu	Thr	Thr	Met	Leu	Ala	Thr	Arg	Asn	Phe	Ser
				305					310					315
Ala	Lys	Ser	Leu	Leu	Asn	Lys	Lys	Ala	Asp	Gly	Val	Lys	Pro	Gln
				320					325					330
Thr	Asn	Ser	Thr	Lys	Asn	Ser	Ala	Ala	Ala	Thr	Ser	Pro	Lys	Gly
				335					340					345
Thr	Leu	Pro	Pro	Ala	Ala	Leu	Glu	Pro	Gln	Thr	Thr	Val	Ile	His
				350					355					360
Asn	Pro	Val	Asp	Gly	Ile	Lys	Glu	Ser	Ser	Asp	Ser	Ala	Asn	Thr
				365					370					375
Thr	Ile	Glu	Asp	Glu	Asp	Ala	Lys	Ala	Pro	Arg	Val	Pro	Asp	Ile
				380					385					390
Leu	Ser	Ser	Val	Arg	Arg	Gly	Ser	Gly	Ala	Pro	Glu	Ala	Glu	Gly
				395					400					405

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Pro	Leu	Pro	Cys	Pro	Ser	Pro	Ala	Pro	Phe	Gly	Pro	Leu	Pro	Ala	
				410					415						420
Pro	Ser	Pro	Arg	Ile	Ser	Asp	Ile	Leu	Asn	Ser	Val	Arg	Arg	Gly	
				425					430						435
Ser	Gly	Thr	Pro	Glu	Ala	Glu	Gly	Pro	Leu	Ser	Ala	Gly	Pro	Pro	
				440					445						450
Pro	Cys	Leu	Ser	Pro	Ala	Leu	Leu	Gly	Pro	Leu	Ser	Ser	Pro	Ser	
				455					460						465
Pro	Arg	Ile	Ser	Asp	Ile	Leu	Asn	Ser	Val	Arg	Arg	Gly	Ser	Gly	
				470					475						480
Thr	Pro	Glu	Ala	Lys	Gly	Pro	Ser	Pro	Val	Gly	Pro	Pro	Pro	Cys	
				485					490						495
Pro	Ser	Pro	Thr	Ile	Pro	Gly	Pro	Leu	Pro	Thr	Pro	Ser	Arg	Lys	
				500					505						510
Gln	Glu	Ile	Ile	Lys	Thr	Thr	Glu	Gln	Leu	Ile	Glu	Ala	Val	Asn	
				515					520						525
Asn	Gly	Asp	Phe	Glu	Ala	Tyr	Ala	Lys	Ile	Cys	Asp	Pro	Gly	Leu	
				530					535						540
Thr	Ser	Phe	Glu	Pro	Glu	Ala	Leu	Gly	Asn	Leu	Val	Glu	Gly	Met	
				545					550						555
Asp	Phe	His	Arg	Phe	Tyr	Phe	Glu	Asn	Leu	Leu	Ala	Lys	Asn	Ser	
				560					565						570
Lys	Pro	Ile	His	Thr	Thr	Ile	Leu	Asn	Pro	His	Val	His	Val	Ile	
				575					580						585
Gly	Glu	Asp	Ala	Ala	Cys	Ile	Ala	Tyr	Ile	Arg	Leu	Thr	Gln	Tyr	
				590					595						600
Ile	Asp	Gly	Gln	Gly	Arg	Pro	Arg	Thr	Ser	Gln	Ser	Glu	Glu	Thr	
				605					610						615
Arg	Val	Trp	His	Arg	Arg	Asp	Gly	Lys	Trp	Gln	Asn	Val	His	Phe	
				620					625						630
His	Cys	Ser	Gly	Ala	Pro	Val	Ala	Pro	Leu	Gln					
				635					640						

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<211> 588

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 067967CD1

<400> 24

Met	Gly	Gly	Thr	Ala	Arg	Gly	Pro	Gly	Arg	Lys	Asp	Ala	Gly	Pro	
1				5					10						15
Pro	Gly	Ala	Gly	Leu	Pro	Pro	Gln	Gln	Arg	Arg	Leu	Gly	Asp	Gly	
				20					25						30
Val	Tyr	Asp	Thr	Phe	Met	Met	Ile	Asp	Glu	Thr	Lys	Cys	Pro	Pro	
				35					40						45
Cys	Ser	Asn	Val	Leu	Cys	Asn	Pro	Ser	Glu	Pro	Pro	Ser	Pro	Arg	
				50					55						60
Arg	Leu	Asn	Met	Thr	Thr	Glu	Gln	Phe	Thr	Gly	Asp	His	Thr	Gln	
				65					70						75
His	Phe	Leu	Asp	Gly	Gly	Glu	Met	Lys	Val	Glu	Gln	Leu	Phe	Gln	
				80					85						90
Glu	Phe	Gly	Asn	Arg	Lys	Ser	Asn	Thr	Ile	Gln	Ser	Asp	Gly	Ile	
				95					100						105
Ser	Asp	Ser	Glu	Lys	Cys	Ser	Pro	Thr	Val	Ser	Gln	Gly	Lys	Ser	
				110					115						120

Ser	Asp	Cys	Leu	Asn	Thr	Val	Lys	Ser	Asn	Ser	Ser	Ser	Lys	Ala
				125					130					135
Pro	Lys	Val	Val	Pro	Leu	Thr	Pro	Glu	Gln	Ala	Leu	Lys	Gln	Tyr
				140					145					150
Lys	His	His	Leu	Thr	Ala	Tyr	Glu	Lys	Leu	Glu	Ile	Ile	Asn	Tyr
				155					160					165
Pro	Glu	Ile	Tyr	Phe	Val	Gly	Pro	Asn	Ala	Lys	Lys	Arg	His	Gly
				170					175					180
Val	Ile	Gly	Gly	Pro	Asn	Asn	Gly	Gly	Tyr	Asp	Asp	Ala	Asp	Gly
				185					190					195
Ala	Tyr	Ile	His	Val	Pro	Arg	Asp	His	Leu	Ala	Tyr	Arg	Tyr	Glu
				200					205					210
Val	Leu	Lys	Ile	Ile	Gly	Lys	Gly	Ser	Phe	Gly	Gln	Val	Ala	Arg
				215					220					225
Val	Tyr	Asp	His	Lys	Leu	Arg	Gln	Tyr	Val	Ala	Leu	Lys	Met	Val
				230					235					240
Arg	Asn	Glu	Lys	Arg	Phe	His	Arg	Gln	Ala	Ala	Glu	Glu	Ile	Arg
				245					250					255
Ile	Leu	Glu	His	Leu	Lys	Lys	Gln	Asp	Lys	Thr	Gly	Ser	Met	Asn
				260					265					270
Val	Ile	His	Met	Leu	Glu	Ser	Phe	Thr	Phe	Arg	Asn	His	Val	Cys
				275					280					285
Met	Ala	Phe	Glu	Leu	Leu	Ser	Ile	Asp	Leu	Tyr	Glu	Leu	Ile	Lys
				290					295					300
Lys	Asn	Lys	Phe	Gln	Gly	Phe	Ser	Val	Gln	Leu	Val	Arg	Lys	Phe
				305					310					315
Ala	Gln	Ser	Ile	Leu	Gln	Ser	Leu	Asp	Ala	Leu	His	Lys	Asn	Lys
				320					325					330
Ile	Ile	His	Cys	Asp	Leu	Lys	Pro	Glu	Asn	Ile	Leu	Leu	Lys	His
				335					340					345
His	Gly	Arg	Ser	Ser	Thr	Lys	Val	Ile	Asp	Phe	Gly	Ser	Ser	Cys
				350					355					360
Phe	Glu	Tyr	Gln	Lys	Leu	Tyr	Thr	Tyr	Ile	Gln	Ser	Arg	Phe	Tyr
				365					370					375
Arg	Ala	Pro	Glu	Ile	Ile	Leu	Gly	Ser	Arg	Tyr	Ser	Thr	Pro	Ile
				380					385					390
Asp	Ile	Trp	Ser	Phe	Gly	Cys	Ile	Leu	Ala	Glu	Leu	Leu	Thr	Gly
				395					400					405
Gln	Pro	Leu	Phe	Pro	Gly	Glu	Asp	Glu	Gly	Asp	Gln	Leu	Ala	Cys
				410					415					420
Met	Met	Glu	Leu	Leu	Gly	Met	Pro	Pro	Pro	Lys	Leu	Leu	Glu	Gln
				425					430					435
Ser	Lys	Arg	Ala	Lys	Tyr	Phe	Ile	Asn	Ser	Lys	Gly	Ile	Pro	Arg
				440					445					450
Tyr	Cys	Ser	Val	Thr	Thr	Gln	Ala	Asp	Gly	Arg	Val	Val	Leu	Val
				455					460					465
Gly	Gly	Arg	Ser	Arg	Arg	Gly	Lys	Lys	Arg	Gly	Pro	Pro	Gly	Ser
				470					475					480
Lys	Asp	Trp	Gly	Thr	Ala	Leu	Lys	Gly	Cys	Asp	Asp	Tyr	Leu	Phe
				485					490					495
Ile	Glu	Phe	Leu	Lys	Arg	Cys	Leu	His	Trp	Asp	Pro	Ser	Ala	Arg
				500					505					510
Leu	Thr	Pro	Ala	Gln	Ala	Leu	Arg	His	Pro	Trp	Ile	Ser	Lys	Ser
				515					520					525
Val	Pro	Arg	Pro	Leu	Thr	Thr	Ile	Asp	Lys	Val	Ser	Gly	Lys	Arg
				530					535					540
Val	Val	Asn	Pro	Ala	Ser	Ala	Phe	Gln	Gly	Leu	Gly	Ser	Lys	Leu
				545					550					555
Pro	Pro	Val	Val	Gly	Ile	Ala	Asn	Lys	Leu	Lys	Ala	Asn	Leu	Met

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	560		565		570
Ser Glu Thr Asn Gly	Ser Ile Pro Leu Cys	Ser Val Leu Pro Lys			
	575	580			585
Leu Ile Ser					

<210> 25
<211> 389
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 346275CD1

<400> 25

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Pro	Gly	Leu	Val	Pro	Pro	Pro	Ser	Gly	Met	Gly	Val	Arg	Lys	Gly
				20					25					30
Ser	Ser	Pro	Leu	Lys	Ser	His	Pro	Cys	Arg	Glu	Lys	Ser	Val	Ser
				35					40					45
Asn	Arg	Arg	Ser	Gly	Lys	Thr	Ile	Val	Arg	Ser	Ala	Val	Glu	Glu
				50					55					60
Val	Arg	Thr	Ala	Gly	Leu	Phe	Arg	Ser	Gly	Phe	Ser	Glu	Glu	Lys
				65					70					75
Ala	Thr	Gly	Lys	Leu	Phe	Ala	Val	Lys	Cys	Ile	Pro	Lys	Lys	Ala
				80					85					90
Leu	Lys	Gly	Lys	Glu	Ser	Ser	Ile	Glu	Asn	Glu	Ile	Ala	Val	Leu
				95					100					105
Arg	Lys	Ile	Lys	His	Glu	Asn	Ile	Val	Ala	Leu	Glu	Asp	Ile	Tyr
				110					115					120
Glu	Ser	Pro	Asn	His	Leu	Tyr	Leu	Val	Met	Gln	Leu	Val	Ser	Gly
				125					130					135
Gly	Glu	Leu	Phe	Asp	Arg	Ile	Val	Glu	Lys	Gly	Phe	Tyr	Thr	Glu
				140					145					150
Lys	Asp	Ala	Ser	Thr	Leu	Ile	Arg	Gln	Val	Leu	Asp	Ala	Val	Tyr
				155					160					165
Tyr	Leu	His	Arg	Met	Gly	Ile	Val	His	Arg	Asp	Leu	Lys	Pro	Glu
				170					175					180
Asn	Leu	Leu	Tyr	Tyr	Ser	Gln	Asp	Glu	Glu	Ser	Lys	Ile	Met	Ile
				185					190					195
Ser	Asp	Phe	Gly	Leu	Ser	Lys	Met	Glu	Gly	Lys	Gly	Asp	Val	Met
				200					205					210
Ser	Thr	Ala	Cys	Gly	Thr	Pro	Gly	Tyr	Val	Ala	Pro	Glu	Val	Leu
				215					220					225
Ala	Gln	Lys	Pro	Tyr	Ser	Lys	Ala	Val	Asp	Cys	Trp	Ser	Ile	Gly
				230					235					240
Val	Ile	Ala	Tyr	Ile	Leu	Leu	Cys	Gly	Tyr	Pro	Pro	Phe	Tyr	Asp
				245					250					255
Glu	Asn	Asp	Ser	Lys	Leu	Phe	Glu	Gln	Ile	Leu	Lys	Ala	Glu	Tyr
				260					265					270
Glu	Phe	Asp	Ser	Pro	Tyr	Trp	Asp	Asp	Ile	Ser	Asp	Ser	Ala	Lys
				275					280					285
Asp	Phe	Ile	Arg	Asn	Leu	Met	Glu	Lys	Asp	Pro	Asn	Lys	Arg	Tyr
				290					295					300
Thr	Cys	Glu	Gln	Ala	Ala	Arg	His	Pro	Trp	Ile	Ala	Gly	Asp	Thr
				305					310					315
Ala	Leu	Asn	Lys	Asn	Ile	His	Glu	Ser	Val	Ser	Ala	Gln	Ile	Arg

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	320		325		330
Lys Asn Phe Ala	Lys Ser Lys Trp Arg	Gln Ala Phe Asn Ala	Thr		
	335		340		345
Ala Val Val Arg	His Met Arg Lys Leu	His Leu Gly Ser Ser	Leu		
	350		355		360
Asp Ser Ser Asn	Ala Ser Val Ser Ser	Ser Leu Ser Leu Ala	Ser		
	365		370		375
Gln Lys Asp Cys	Ala Tyr Val Ala Lys	Pro Glu Ser Leu Ser			
	380		385		

<210> 26
 <211> 343
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 283746CD1

<400> 26

Met Ile Gly Glu Glu	Ala Met Ile Asn Tyr	Glu Asn Phe Leu Lys		
1	5	10	15	
Val Gly Glu Lys Ala	Gly Ala Lys Cys Lys	Gln Phe Phe Thr Ala		
	20	25	30	
Lys Val Phe Ala Lys	Leu Leu His Thr Asp	Ser Tyr Gly Arg Ile		
	35	40	45	
Ser Ile Met Gln Phe	Phe Asn Tyr Val Met	Arg Lys Val Trp Leu		
	50	55	60	
His Gln Thr Arg Ile	Gly Leu Ser Leu Tyr	Asp Val Ala Gly Gln		
	65	70	75	
Gly Tyr Leu Arg Glu	Ser Asp Leu Glu Asn	Tyr Ile Leu Glu Leu		
	80	85	90	
Ile Pro Thr Leu Pro	Gln Leu Asp Gly Leu	Glu Lys Ser Phe Tyr		
	95	100	105	
Ser Phe Tyr Val Cys	Thr Ala Val Arg Lys	Phe Phe Phe Phe Leu		
	110	115	120	
Asp Pro Leu Arg Thr	Gly Lys Ile Lys Ile	Gln Asp Ile Leu Ala		
	125	130	135	
Cys Ser Phe Leu Asp	Asp Leu Leu Glu Leu	Arg Asp Glu Glu Leu		
	140	145	150	
Ser Lys Glu Ser Gln	Glu Thr Asn Trp Phe	Ser Ala Pro Ser Ala		
	155	160	165	
Leu Arg Val Tyr Gly	Gln Tyr Leu Asn Leu	Asp Lys Asp His Asn		
	170	175	180	
Gly Met Leu Ser Lys	Glu Glu Leu Ser Arg	Tyr Gly Thr Ala Thr		
	185	190	195	
Met Thr Asn Val Phe	Leu Asp Arg Val Phe	Gln Glu Cys Leu Thr		
	200	205	210	
Tyr Asp Gly Glu Met	Asp Tyr Lys Thr Tyr	Leu Asp Phe Val Leu		
	215	220	225	
Ala Leu Glu Asn Arg	Lys Glu Pro Ala Ala	Leu Gln Tyr Ile Phe		
	230	235	240	
Lys Leu Leu Asp Ile	Glu Asn Lys Gly Tyr	Leu Asn Val Phe Ser		
	245	250	255	
Leu Asn Tyr Phe Phe	Arg Ala Ile Gln Glu	Leu Met Lys Ile His		
	260	265	270	
Gly Gln Asp Pro Val	Ser Phe Gln Asp Val	Lys Asp Glu Ile Phe		
	275	280	285	
Asp Met Val Lys Pro	Lys Asp Pro Leu Lys	Ile Ser Leu Gln Asp		

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Leu	Ile	Asn	Ser	290	Asn	Gln	Gly	Asp	Thr	295	Val	Thr	Thr	Ile	Leu	Ile	300
				305						310							315
Asp	Leu	Asn	Gly	Phe	Trp	Thr	Tyr	Glu	Asn	Arg	Glu	Ala	Leu	Val			
				320						325							330
Ala	Asn	Asp	Ser	Glu	Asn	Ser	Ala	Asp	Leu	Asp	Asp	Thr					
				335						340							

<210> 27
<211> 184
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2696537CD1

Met	Gly	Asn	Gly	Met	Asn	Lys	Ile	Leu	Pro	Gly	Leu	Tyr	Ile	Gly			
1				5					10					15			
Asn	Phe	Lys	Asp	Ala	Arg	Asp	Ala	Glu	Gln	Leu	Ser	Lys	Asn	Lys			
				20					25					30			
Val	Thr	His	Ile	Leu	Ser	Val	His	Asp	Ser	Ala	Arg	Pro	Met	Leu			
				35					40					45			
Glu	Gly	Val	Lys	Tyr	Leu	Cys	Ile	Pro	Ala	Ala	Asp	Ser	Pro	Ser			
				50					55					60			
Gln	Asn	Leu	Thr	Arg	His	Phe	Lys	Glu	Ser	Ile	Lys	Phe	Ile	His			
				65					70					75			
Glu	Cys	Arg	Leu	Arg	Gly	Glu	Ser	Cys	Leu	Val	His	Cys	Leu	Ala			
				80					85					90			
Gly	Val	Ser	Arg	Ser	Val	Thr	Leu	Val	Ile	Ala	Tyr	Ile	Met	Thr			
				95					100					105			
Val	Thr	Asp	Phe	Gly	Trp	Glu	Asp	Ala	Leu	His	Thr	Val	Arg	Ala			
				110					115					120			
Gly	Arg	Ser	Cys	Ala	Asn	Pro	Asn	Val	Gly	Phe	Gln	Arg	Gln	Leu			
				125					130					135			
Gln	Glu	Phe	Glu	Lys	His	Glu	Val	His	Gln	Tyr	Arg	Gln	Trp	Leu			
				140					145					150			
Lys	Glu	Glu	Tyr	Gly	Glu	Ser	Pro	Leu	Gln	Asp	Ala	Glu	Glu	Ala			
				155					160					165			
Lys	Asn	Ile	Leu	Ala	Ala	Pro	Gly	Ile	Leu	Lys	Phe	Trp	Ala	Phe			
				170					175					180			
Leu	Arg	Arg	Leu														

<210> 28
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 619292CD1

Met	Gly	Leu	Ile	Asp	Gly	Met	His	Thr	His	Leu	Gly	Ala	Pro	Gly			
1				5					10					15			
Leu	Tyr	Ile	Gln	Thr	Leu	Leu	Pro	Gly	Ser	Pro	Ala	Ala	Ala	Asp			
				20					25					30			

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Gly	Arg	Leu	Ser	Leu	Gly	Asp	Arg	Ile	Leu	Glu	Val	Asn	Gly	Ser	
				35					40						45
Ser	Leu	Leu	Gly	Leu	Gly	Tyr	Leu	Arg	Ala	Val	Asp	Leu	Ile	Arg	
				50					55						60
His	Gly	Gly	Lys	Lys	Met	Arg	Phe	Leu	Val	Ala	Lys	Ser	Asp	Val	
				65					70						75
Gly	Lys	Gln	Pro	Arg	Arg	Ser	Ile	Ser	Ala	Arg	Pro	Leu	Ser	Arg	
				80					85						90
Gly	Ala	Ala	Arg	Thr	Pro	Pro	Gln	Ala	Arg	His	Pro	Val	Pro	Pro	
				95					100						105
Gly	Asp	Thr	Gly	Leu	Pro	Pro	Ala	Phe	Val	Pro	Val	Leu			
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<210> 29

<211> 356

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2054049CD1

<400> 29

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Leu	Gln	Ala	Ile	Met	Asp	Ser	Asn	Ala	Gln	Ser	His	Lys	Ile	Phe	
				20					25						30
Ile	Phe	Asp	Ala	Arg	Pro	Ser	Val	Asn	Ala	Val	Ala	Asn	Lys	Ala	
				35					40						45
Lys	Gly	Gly	Gly	Tyr	Glu	Ser	Glu	Asp	Ala	Tyr	Gln	Asn	Ala	Glu	
				50					55						60
Leu	Val	Phe	Leu	Asp	Ile	His	Asn	Ile	His	Val	Met	Arg	Glu	Ser	
				65					70						75
Leu	Arg	Lys	Leu	Lys	Glu	Ile	Val	Tyr	Pro	Asn	Ile	Glu	Glu	Thr	
				80					85						90
His	Trp	Leu	Ser	Asn	Leu	Glu	Ser	Thr	His	Trp	Leu	Glu	His	Ile	
				95					100						105
Lys	Leu	Ile	Leu	Ala	Gly	Ala	Leu	Arg	Ile	Ala	Asp	Lys	Val	Glu	
				110					115						120
Ser	Gly	Lys	Thr	Ser	Val	Val	Val	His	Cys	Ser	Asp	Gly	Trp	Asp	
				125					130						135
Arg	Thr	Ala	Gln	Leu	Thr	Ser	Leu	Ala	Met	Leu	Met	Leu	Asp	Gly	
				140					145						150
Tyr	Tyr	Arg	Thr	Ile	Arg	Gly	Phe	Glu	Val	Leu	Val	Glu	Lys	Glu	
				155					160						165
Trp	Leu	Ser	Phe	Gly	His	Arg	Phe	Gln	Leu	Arg	Val	Gly	His	Gly	
				170					175						180
Asp	Lys	Asn	His	Ala	Asp	Ala	Asp	Arg	Ser	Pro	Val	Phe	Leu	Gln	
				185					190						195
Phe	Ile	Asp	Cys	Val	Trp	Gln	Met	Thr	Arg	Gln	Phe	Pro	Thr	Ala	
				200					205						210
Phe	Glu	Phe	Asn	Glu	Tyr	Phe	Leu	Ile	Thr	Ile	Leu	Asp	His	Leu	
				215					220						225
Tyr	Ser	Cys	Leu	Phe	Gly	Thr	Phe	Leu	Cys	Asn	Ser	Glu	Gln	Gln	
				230					235						240
Arg	Gly	Lys	Glu	Asn	Leu	Pro	Lys	Arg	Thr	Val	Ser	Leu	Trp	Ser	
				245					250						255
Tyr	Ile	Asn	Ser	Gln	Leu	Glu	Asp	Phe	Thr	Asn	Pro	Leu	Tyr	Gly	
				260					265						270

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Ser	Tyr	Ser	Asn	His	Val	Leu	Tyr	Pro	Val	Ala	Ser	Met	Arg	His
				275					280					285
Leu	Glu	Leu	Trp	Val	Gly	Tyr	Tyr	Ile	Arg	Trp	Asn	Pro	Arg	Met
				290					295					300
Lys	Pro	Gln	Glu	Pro	Ile	His	Asn	Arg	Tyr	Lys	Glu	Leu	Leu	Ala
				305					310					315
Lys	Arg	Ala	Glu	Leu	Gln	Lys	Lys	Val	Glu	Glu	Leu	Gln	Arg	Glu
				320					325					330
Ile	Ser	Asn	Arg	Ser	Thr	Ser	Ser	Ser	Glu	Arg	Ala	Ser	Ser	Pro
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Ala	Gln	Cys	Val	Thr	Pro	Val	Gln	Thr	Val	Val				
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<211> 453

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2843910CD1

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Phe	Gln	Trp	Cys	Phe	Ser	Gln	Val	Lys	Gly	Ala	Ile	Asp	Glu	Asp
				20					25					30
Val	Ala	Glu	Ala	Asp	Ile	Ile	Ser	Thr	Val	Glu	Phe	Asn	Tyr	Ser
				35					40					45
Gly	Asp	Leu	Leu	Ala	Thr	Gly	Asp	Lys	Gly	Gly	Arg	Val	Val	Ile
				50					55					60
Phe	Gln	Arg	Glu	Gln	Glu	Asn	Lys	Ser	Arg	Pro	His	Ser	Arg	Gly
				65					70					75
Glu	Tyr	Asn	Val	Tyr	Ser	Thr	Phe	Gln	Ser	His	Glu	Pro	Glu	Phe
				80					85					90
Asp	Tyr	Leu	Lys	Ser	Leu	Glu	Ile	Glu	Glu	Lys	Ile	Asn	Lys	Ile
				95					100					105
Arg	Trp	Leu	Pro	Gln	Gln	Asn	Ala	Ala	His	Phe	Leu	Leu	Ser	Thr
				110					115					120
Asn	Asp	Lys	Thr	Ile	Lys	Leu	Trp	Lys	Ile	Ser	Glu	Arg	Asp	Lys
				125					130					135
Arg	Ala	Glu	Gly	Tyr	Asn	Leu	Lys	Asp	Glu	Asp	Gly	Arg	Leu	Arg
				140					145					150
Asp	Pro	Phe	Arg	Ile	Thr	Ala	Leu	Arg	Val	Pro	Ile	Leu	Lys	Pro
				155					160					165
Met	Asp	Leu	Met	Val	Glu	Ala	Ser	Pro	Arg	Arg	Ile	Phe	Ala	Asn
				170					175					180
Ala	His	Thr	Tyr	His	Ile	Asn	Ser	Ile	Ser	Val	Asn	Ser	Asp	His
				185					190					195
Glu	Thr	Tyr	Leu	Ser	Ala	Asp	Asp	Leu	Arg	Ile	Asn	Leu	Trp	His
				200					205					210
Leu	Glu	Ile	Thr	Asp	Arg	Ser	Phe	Asn	Ile	Val	Asp	Ile	Lys	Pro
				215					220					225
Ala	Asn	Met	Glu	Glu	Leu	Thr	Glu	Val	Ile	Thr	Ala	Ala	Glu	Phe
				230					235					240
His	Pro	His	Gln	Cys	Asn	Val	Phe	Val	Tyr	Ser	Ser	Ser	Lys	Gly
				245					250					255
Thr	Ile	Arg	Leu	Cys	Asp	Met	Arg	Ser	Ser	Ala	Leu	Cys	Asp	Arg
				260					265					270

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His	Ser	Lys	Phe	Phe	Glu	Glu	Pro	Glu	Asp	Pro	Ser	Ser	Arg	Ser	
				275					280					285	
Phe	Phe	Ser	Glu	Ile	Ile	Ser	Ser	Ile	Ser	Asp	Val	Lys	Phe	Ser	
				290					295					300	
His	Ser	Gly	Arg	Tyr	Met	Met	Thr	Arg	Asp	Tyr	Leu	Ser	Val	Lys	
				305					310					315	
Val	Trp	Asp	Leu	Asn	Met	Glu	Ser	Arg	Pro	Val	Glu	Thr	His	Gln	
				320					325					330	
Val	His	Glu	Tyr	Leu	Arg	Ser	Lys	Leu	Cys	Ser	Leu	Tyr	Glu	Asn	
				335					340					345	
Asp	Cys	Ile	Phe	Asp	Lys	Phe	Glu	Cys	Cys	Trp	Asn	Gly	Ser	Asp	
				350					355					360	
Ser	Ala	Ile	Met	Thr	Gly	Ser	Tyr	Asn	Asn	Phe	Phe	Arg	Met	Phe	
				365					370					375	
Asp	Arg	Asp	Thr	Arg	Arg	Asp	Val	Thr	Leu	Glu	Ala	Ser	Arg	Glu	
				380					385					390	
Ser	Ser	Lys	Pro	Arg	Ala	Ser	Leu	Lys	Pro	Arg	Lys	Val	Cys	Thr	
				395					400					405	
Gly	Gly	Lys	Arg	Arg	Lys	Asp	Glu	Ile	Ser	Val	Asp	Ser	Leu	Asp	
				410					415					420	
Phe	Asn	Lys	Lys	Ile	Leu	His	Thr	Ala	Trp	His	Pro	Val	Asp	Asn	
				425					430					435	
Val	Ile	Ala	Val	Ala	Ala	Thr	Asn	Asn	Leu	Tyr	Ile	Phe	Gln	Asp	
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<210> 31
<211> 1221
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 132240CB1

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cagattgccca agaaaagacc tcaccaaag gtgtcgagaa ccctgctgta caagagagta 180
accaaaaaat gttaggtcct cctttggagg tgctgaaaac gttagcctct aaaagaaatg 240
ctgttgcttt tcgaagtttt aacagtcata ttaatgcata caataactca gaaccatcca 300
gaatgaacat gacttcttta gatgcaatgg atatttcgtg tgcctacagt ggttcatatc 360
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agatcaagtc gggaaactcca taccgaactc cgaagagtgt gagaagagggt gtggcccccgt 480
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<211> 542
<212> DNA
<213> Homo sapiens

<220>
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gcggcacgcg cgcgtcaccg tcaagtatga ccggcgggag ctgcagcggc ggctggacgt 180
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tt 542

<210> 33
<211> 2778
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 2197671CB1

<220>
<221> unsure
<222> (1) ... (2778)
<223> a, t, c, g, or other

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gctttttaca aaactagaga aaattgggaa gggctccttt ggagagggtg tcaaaggcat 180
tgacaatcgg actcagaaag tggttgccat aaagatcatt gatctggaag aagctgaaga 240
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<211> 1424

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2594943CB1

<400> 34

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ctactgtctc	tccatagccc	tgggtggggtc	ccccttcttt	ctccactgta	cagaagagcc	1380
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<210> 35
<211> 1839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1513871CB1

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cagcaagagg ctctctctgc ccatggatat ccgcctgccc caggaattcc tacagaagct 480
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<211> 2024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 156108CB1

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<210> 37

<211> 1861

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2883243CB1

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<211> 2045
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 3173355CB1

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<210> 39

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<211> 1260
<212> DNA
<213> Homo sapiens

<220>
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<211> 2059
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 940589CB1

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<220>
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PF-0565 USN

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<211> 1182

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 209854CB1

<400> 47

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<213> Homo sapiens

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PF-0565 USN

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

<220>
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<223> Incyte ID No: 2098635CB1

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<210> 51

<211> 1454

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2446646CB1

<400> 51

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<210> 52

<211> 3225

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2764911CB1

<400> 52

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<210> 53

<211> 2110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3013946CB1

<400> 53

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<210> 57
<211> 1290
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<211> 2347

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2054049CB1

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<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 2843910CB1

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